

UNITED STATES DISTRICT COURT
EASTERN DISTRICT OF TEXAS
LUFKIN DIVISION

PERSONAL AUDIO, LLC		DOCKET 9:09CV111
		JULY 5, 2011
VS.		8:29 A.M.
APPLE, INC., ET AL		BEAUMONT, TEXAS

VOLUME 8 OF ___, PAGES 2267 THROUGH 2626

REPORTER'S TRANSCRIPT OF JURY TRIAL

BEFORE THE HONORABLE RON CLARK
UNITED STATES DISTRICT JUDGE, AND A JURY

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1 (REPORTER'S NOTES PERSONAL AUDIO V. APPLE,
2 JURY TRIAL, VOLUME 8, 8:29 A.M., TUESDAY, JULY 5, 2011,
3 BEAUMONT, TEXAS, HON. RON CLARK PRESIDING.)

4 (OPEN COURT, ALL PARTIES PRESENT, JURY
5 PRESENT.)

6 THE COURT: Good morning, ladies and
7 gentlemen. Welcome back. I hope you all had a good 4th.

8 We're continuing now with the
9 cross-examination. Counsel?

10 MR. HOLDREITH: Yes, sir.

11 CONTINUED CROSS-EXAMINATION OF STEPHEN WICKER

12 BY MR. HOLDREITH:

13 Q. Good morning, Dr. Wicker.

14 A. Good morning.

15 Q. Did you have a good weekend?

16 A. Yes, I did.

17 Q. Great.

18 You should have a black binder on your desk
19 with some exhibits that we'll be talking about today. Do
20 you have that in front of you?

21 A. Yes, I do.

22 Q. Good. Now, you reviewed source code that runs on
23 iPods in this case?

24 A. Yes, that's correct.

25 Q. And I'll just show a slide that you showed during

1 your direct testimony. This is DDX 404.

2 You pointed out that -- specifically that you
3 looked at source code, right?

4 A. Yes, that's right.

5 Q. And you made a point of it here in your bullet
6 points, right?

7 A. That's correct.

8 Q. And you also talked to two Apple employees,
9 Mr. Boettcher and Mr. Wysocki?

10 A. Yes, that's right.

11 Q. You asked them about how the iPods operate?

12 A. That's correct.

13 Q. And you spent about a week looking at source code
14 down in Houston, right?

15 A. That's correct.

16 Q. That was on that locked box we saw?

17 A. Yes.

18 Q. And you interviewed Mr. Wysocki and Mr. Boettcher
19 about how the source code works?

20 A. Yes.

21 Q. You got to ask them any questions you had?

22 A. That's correct.

23 Q. And you had two rounds of meetings with them?

24 A. That's right.

25 Q. Now, you looked at source code because it was

1 important to your analysis to understand how the iPod
2 source code works?

3 A. That's correct.

4 Q. And you explained that by studying the iPod source
5 code, you came to a different conclusion from
6 Dr. Almeroth about infringement, right?

7 A. I don't think I would put it like that. I think
8 we are in general agreement as to how the source code
9 works. It was the conclusions drawn from how that source
10 code works on which we differ.

11 Q. Exactly. You don't disagree with Dr. Almeroth
12 about how the iPod source code works, do you?

13 A. I think we're in general agreement. I'd put it
14 that way.

15 Q. And could you turn, please, in your book to
16 Plaintiff's Exhibit 771A. It's a chart.

17 A. Okay. I've found it.

18 Q. And this is an example of a summary of source code
19 that Dr. Almeroth prepared and that you reviewed, right?

20 A. Yes. This is a claim chart containing his
21 analysis for Gen 3 iPod classic.

22 Q. And in the right column there is a description of
23 how the iPod source code works.

24 A. Yes.

25 Q. And you agree that Dr. Almeroth's summary

1 accurately describes how parts of the iPod source code
2 works, right?

3 A. Yes. When he's focusing on how the software
4 actually works, from my recollection we are in general
5 agreement.

6 Q. All right. And you know that there are summaries
7 for each of the generations of iPods that Dr. Almeroth
8 prepared, right?

9 A. Yes. That's correct.

10 Q. And same answer for all of those summaries?

11 A. (Pausing.)

12 Q. I mean, you agree with those summaries as to how
13 the source code works?

14 A. I have not reviewed those summaries in detail
15 so -- I'm assuming, to the extent that they accurately
16 reflect what I've already seen with regard to his
17 analysis of the source code, that they are correct.

18 Q. Okay. Now, Dr. Wicker, I'd like to talk to you
19 about anticipation and the test that you used to analyze
20 anticipation. Okay?

21 A. Okay.

22 Q. And the test you applied when you studied whether
23 iPods infringe is -- I'm sorry. I'm going to start with
24 infringement -- whether they infringe is whether
25 everything in the claim is found in an iPod, right?

1 A. That's correct.

2 Q. And for infringement, it's Personal Audio's burden
3 to prove infringement, right, not your burden?

4 A. That's correct.

5 Q. And the --

6 A. That's my understanding.

7 Q. And the standard of evidence is more likely than
8 not, or preponderance. It has to be more likely than not
9 that everything in the claim is found in an iPod. Is
10 that the standard that you used?

11 A. Yes, it is.

12 Q. Now, when you came to the invalidity analysis,
13 there are rules for that, too.

14 A. Yes. That's right.

15 Q. And to determine invalidity, again you have to
16 look and see if everything in the claim is found in some
17 piece of prior art for anticipation, right?

18 A. Yes. That's right. For anticipation --

19 Q. And if any one thing is missing from that prior
20 art, it's not an anticipation.

21 A. That's correct.

22 Q. Now, anticipation means it is the invention; it's
23 exactly the same thing as what's in the claim, right?

24 A. That's correct. Every single element of the claim
25 is found within one device, one reference, something like

1 that.

2 Q. Okay. So, if it's an anticipation, it's the
3 invention.

4 A. Yes. That's correct.

5 Q. And the rule for anticipation is you have a higher
6 standard of evidence, right? You have to find clear and
7 convincing proof to find invalidity. Is that the rule
8 you applied?

9 A. Yes, it is.

10 Q. And if you are looking at obviousness, if
11 something is not the invention, you still have to have
12 clear and convincing evidence for obviousness. Is that
13 the rule that you applied?

14 A. Yes, it is.

15 Q. Now, for invalidity, that's Apple's burden. Do
16 you understand that? Apple has to prove invalidity by
17 clear and convincing evidence. Is that the rule you
18 applied?

19 A. That's my understanding, yes.

20 Q. Now, clear and convincing, that's a higher burden
21 for Apple to show invalidity than the burden of a
22 preponderance for Personal Audio to show infringement.
23 Would you agree with that?

24 A. Yes. It's a higher standard of proof.

25 Q. Okay. Now, in this case did you read Judge

1 Clark's definitions of the claims?

2 A. Yes, his claim construction, I certainly did.

3 Q. And those definitions include claims that have
4 software algorithms as part of what's required by the
5 claims.

6 A. That's correct.

7 Q. Now, in this case you did not look at any source
8 code for the DAD?

9 A. That's right. That source code was not available.

10 Q. And you did not look at any source code for the
11 Sound Blaster?

12 A. That's correct as well.

13 Q. In fact, you didn't look at any source code for
14 any prior art?

15 A. Certainly the prior art that I discussed here in
16 court, the source code was not available; and I didn't
17 look at it.

18 Q. Okay.

19 A. There may have been other prior art during my
20 investigation where I actually did encounter source code.

21 Q. For the prior art that you testified about, you
22 did not look at any source code?

23 A. That's right. It wasn't available.

24 Q. And it takes a lot of work to look at source code,
25 right?

1 A. Yes, it definitely does.

2 Q. Now, Dr. Wicker, did you ask Mr. Novacek to
3 provide source code for you to look at?

4 A. Yes, I did.

5 Q. You did? Were you here in court when he testified
6 that you did not?

7 A. Well, I should be clear. While I was using -- I
8 actually got to do the same thing that he did. I got to
9 operate the equipment; and I did ask to see some sort
10 files, scripts that were used. They weren't the
11 underlying source code that drives all of DAD. They were
12 scripts that put the machines through its paces. That's
13 what I saw, and that's what I asked to see.

14 Q. I see. So, the source code that actually runs the
15 DAD, you did not ask Mr. Novacek -- you didn't ask him to
16 look at that?

17 A. That's right. The underlying source code that
18 drove the whole thing was not available.

19 Q. Well, you didn't ask him for it, right?

20 A. I can't remember exactly how it went, but I think
21 that's why I didn't ask for it. I knew it wasn't
22 available.

23 Q. Well, were you here in court when he testified
24 that it was available?

25 A. It's my understanding that it was in a form that I

1 couldn't study.

2 Q. I see. Now, Dr. Wicker, you relied on the DAD
3 manual in this case, right?

4 A. That's correct.

5 Q. And I'm showing you now Plaintiff's Exhibit 706.
6 Is this the cover page of the DAD manual you relied on?

7 A. Yes, it is.

8 Q. And I'm showing you the one that's marked
9 Plaintiff's Exhibit 706. Are you aware that's the same
10 thing as Defendant's Exhibit 1?

11 A. Yes. That's correct.

12 Q. So, when you testified, you used the Defendant's
13 Exhibit 1; but it's the same document, right?

14 A. Yes. That's my understanding.

15 Q. And in your report you said you studied this
16 manual.

17 A. Yes, I did.

18 Q. And you relied on it.

19 A. I relied on it, and I cited from it several
20 excerpts.

21 Q. Okay. Now, this manual is not source code, right?

22 A. No. This manual is a description of what the
23 source code does. When the source code is loaded onto
24 the machine, the machine behaves in a certain way; and
25 this is the document I used to determine how the machine

1 would behave.

2 Q. This tells you how a DAD works, but it doesn't
3 tell you what's in the source code.

4 A. Well, source code is what makes the machine
5 operate in the way it does; and this is a description of
6 how it operates. So, this isn't literally a listing of
7 the source code. It simply tells us what the source code
8 causes DAD to do.

9 Q. If you look at one of those iPods and you operate
10 the iPod, you don't know what source code is in it, do
11 you?

12 A. Simply by operating the iPod, no, you wouldn't
13 know all of the details. You'd know some basic
14 functions. If you wanted to know more of the
15 functionality, you'd have to go to a document like that,
16 but again a document for an iPod as opposed to DAD.

17 Q. Well, when you studied the iPods to determine
18 infringement, you didn't just look at the user guides.
19 You spent a week looking at source code, right?

20 A. That's correct.

21 Q. Now, you were here in court for Mr. Novacek's
22 testimony and his demonstration?

23 A. Yes.

24 Q. And -- this is important -- did you hear
25 Mr. Novacek say that the playback_lookahead function --

1 the playback_lookahead function does not transfer a
2 playlist?

3 A. Yes. That's correct.

4 Q. And there's another function that you used called
5 "import," right?

6 A. That's right.

7 Q. And you know the import function does not transfer
8 songs, right?

9 A. That's right. The playlists and the music are
10 separately transferred.

11 Q. And, Dr. Wicker, are you aware that the DAD needs
12 something called a "library" to function? That's in
13 addition to playlists and songs.

14 A. A library on a main machine, yes. That's
15 basically the library of cuts, where all the music is
16 stored.

17 Q. And that's something called the "cuts database
18 file," right?

19 A. Yes.

20 Q. That's different from the songs themselves that
21 are stored as individual files.

22 A. That's correct.

23 Q. Okay. And you understand that neither function,
24 not playback_lookahead and not import, neither one of
25 those moves the library file?

1 A. That's correct.

2 Q. And you know and you heard Mr. Novacek testify
3 that the DAD program can only use a library that's on the
4 same drive that the DAD program is running on, right?

5 A. I'm not sure that's exactly right. I believe he
6 said that the library could be accessed by the machine --
7 by any machine that was running the DAD software.

8 Q. Well, let's take a look at that. I'm going to
9 show you now -- just a moment while I get my place.

10 Here's what Mr. Novacek said in court. This
11 is Plaintiff's Exhibit 2012; and at page 1971 of the
12 transcript Mr. Novacek was asked, "And DAD can only use
13 the library that's on the same drive as the DAD program.
14 That's just how the program works, right?"

15 And Mr. Novacek said, "Yes. In regards to the
16 library, that's correct."

17 Right?

18 A. Yes, that's right. I think we were saying the
19 same thing slightly differently. What I was trying to
20 say is that a given DAD entity can access its library.
21 There may be multiple DAD entities. There's not just one
22 library.

23 Q. What this means is if DAD is running on the on-air
24 local machine that has a C drive, it has to have the
25 library on the C drive as well, right, on that on-air

1 machine?

2 A. That's correct.

3 Q. Okay. Now, Dr. Wicker, did you also hear
4 Mr. Novacek testify that he decided it would be best for
5 his DAD machine, this DAD product, to just have a "next"
6 button and not to have separate "skip forward" and "skip
7 back" buttons on the interface?

8 A. Yes, I did hear him say that.

9 Q. All right. Now I'd like to talk about the
10 CurrentPlay variable for a minute. That's something that
11 you testified about, right, in context of DAD?

12 A. That's correct.

13 Q. And you showed this slide, which is Exhibit 632 --
14 I should say DDX 632. Is this your slide about the
15 CurrentPlay variable on the DAD?

16 A. Yes, it is.

17 Q. And you identified -- now, CurrentPlay variable is
18 something that points to the currently playing song,
19 right?

20 A. Let's see. The CurrentPlay variable here -- this
21 is actually the -- it says position -- it's kind of hard
22 to see. And what it's pointing to is the next cut that
23 will be played.

24 Q. Exactly. So, the currently playing song here is
25 the 48 Hours music, right?

1 A. That's right.

2 Q. And that's Position Number 1 on the playlist?

3 A. That's right.

4 Q. That's the first song.

5 And what you identified as the CurrentPlay
6 variable is this little string here (indicating) that
7 says "Position Number 2," right next to "playlist is
8 Musicbed," right?

9 A. That's right.

10 Q. So, this is pointing to the second position on the
11 playlist, not the first one.

12 A. At this particular time, yes. But before this was
13 started, it was pointing at this (indicating) particular
14 entry.

15 Q. Position Number 2 is down here. It's hard to see.
16 I believe that might be the 60 Minutes music.

17 A. That's what I remember; but I don't think I can
18 read it, either.

19 Q. It's not important which particular one it is; but
20 in any event, what you identified as the CurrentPlay
21 variable is not pointing to the currently playing song.
22 It's pointing to the song that will play if you hit the
23 "next" button, right?

24 A. It's actually pointing to the next one that will
25 be retrieved unless you do something like, for example,

1 move that highlighting to another place and hit "next."

2 Q. Exactly. But if you hit the "next" button, the
3 DAD is going to go to whatever is in that Position 2
4 slot, right?

5 A. If you don't do anything but hit the "next"
6 button, yes, that's exactly right. It will play what's
7 highlighted, which in this case would be the next entry
8 in the playlist.

9 Q. Now, the "next" button, its function is to go to
10 whatever song the user highlighted, right?

11 A. That's correct.

12 Q. So, if the user highlights a song anywhere in the
13 list and hits "next," DAD just goes straight to that
14 song.

15 A. That's right. You can jump forward. You can jump
16 backward. It depends on where you put the highlighting.

17 Q. And your testimony is that the "next" button does
18 everything that the claim uses: a first command, a skip
19 forward; a second command to go to the beginning of the
20 current song; a third command to go to the previous song.
21 DAD doesn't have separate buttons for that, right?

22 A. No. No. It's all been combined in one button.
23 You go to the beginning of the current song if you
24 highlight the current song.

25 You can skip ahead if you highlight something

1 that's further ahead in the playlist.

2 You can skip back if you go backward in the
3 playlist. It's all under the control of one button.

4 Q. And it's the user who has to tell DAD where to go
5 before hitting the "next" button, right?

6 A. Yes. Yes. The user will highlight the particular
7 song to which he or she wants to jump.

8 Q. I'd like to talk about Sound Blaster for a minute.
9 Sound Blaster was a sound card that came with some
10 software, right?

11 A. That's right.

12 Q. And this is something that you decided is not the
13 invention in this case. Sound Blaster is not an
14 anticipation.

15 A. No. It was an obviousness case.

16 Q. To be clear, we agree that Sound Blaster is not
17 the invention.

18 A. If by that you mean it doesn't anticipate, that's
19 right.

20 Q. All right.

21 A. There were definitely elements missing.

22 Q. And just to be clear, the sound card, the Sound
23 Blaster sound card and the software, that's not itself an
24 audio player, right? You need to add a computer.

25 A. The card and its software are designed to be put

1 in a *Windows 95* system; and, so, once they're installed,
2 you have the player. The card by itself wouldn't
3 function. It's got to have power, or it's got to have
4 connectivity to speakers. There are a lot of things that
5 it has to have before it will actually play.

6 Q. When you take the sound card -- the Sound Blaster
7 sound card out of the box, it can't do anything. You
8 have to have a computer and install it in a computer,
9 correct?

10 A. That's right. It will just sit there.

11 Q. Now, the reason -- or at least one reason you
12 concluded that Sound Blaster is not an anticipation, was
13 not the invention, is because it doesn't have
14 downloadable navigable playlists by itself, right?

15 A. That's right. For example, there was no
16 downloading just within the Sound Blaster software. You
17 had to go to the *Windows 95* FTP.

18 Q. Exactly. And were you in court when
19 Mr. Goessling's deposition clip was played?

20 A. Yes, I was.

21 Q. And you've studied that deposition testimony?

22 A. Yes, I have.

23 Q. Now, Mr. Stephens asked Mr. Goessling some
24 questions about Sound Blaster, right?

25 A. Yes.

1 Q. And Mr. Goessling was not given the court's claim
2 construction when Mr. Stephens asked him those questions,
3 right?

4 A. I think that's right.

5 Q. And --

6 A. Yes. I'm sorry. You're right. That's correct.

7 Q. -- Mr. Goessling had never seen the Sound Blaster
8 document before that day, right?

9 A. That's correct. That's what he said.

10 Q. But you had time to study the Sound Blaster
11 documents. You didn't have to just answer off the cuff,
12 reading it right there for the first time.

13 A. That's right.

14 Q. You had as much time as you wanted, in fact.

15 A. Yeah. I felt like I had enough time.

16 Q. And you did have the court's claim constructions?

17 A. I did.

18 Q. And given time to study the Sound Blaster and the
19 court's claim constructions, you concluded it did not
20 have a downloadable navigable playlist by itself?

21 A. Specifically the downloading element was not
22 present just in the Sound Blaster.

23 Q. All right. Now let's clarify a little bit what in
24 your opinion is the anticipation in DAD. In your opinion
25 is the DAD manual by itself an anticipation?

1 A. Yes. During my discussion I showed how every
2 single element could be found in the DAD manual by
3 itself. And just to be clear, every element of the
4 asserted claims.

5 Q. All right. In your opinion is the DAD system by
6 itself the invention?

7 A. Yes. Again, every element of the asserted claims
8 can be found in the DAD system, what was actually
9 operated here in court.

10 Q. But in your opinion the Sound Blaster by itself is
11 not an invention; is that right?

12 A. There are missing elements. That's correct.

13 Q. All right. I'd like to ask you now to turn in
14 your book to DDX 751. And I believe the DDX slides are
15 down near the bottom.

16 A. Yes, sir.

17 Q. I'll put them on the screen to help you.

18 A. I'm sorry. You said 751?

19 Q. Yeah. I'm sorry. These were renumbered in court;
20 so, I have the old number in my outline. It's actually
21 DDX 708. I'll put it on the screen so you can see what
22 it looks like.

23 A. I've found it. Thank you, sir.

24 Q. Do you have DDX 708?

25 A. Is it the old jukeboxes?

1 Q. It is the old jukeboxes. Exactly.

2 A. Yes, I've got that.

3 Q. Now, jukeboxes are not the invention, right?

4 A. No. No, they're not. The point was more that
5 playlists were well-known.

6 Q. But jukeboxes didn't have downloadable navigable
7 playlists, right?

8 A. No. They did have playlists, but I did not
9 investigate whether they could actually download.

10 Q. You also talked about a Sony Discman, right? I
11 think it was Defendant's Exhibit 23 or 32. Do you recall
12 that? You had an actual real example.

13 A. Oh, yes. It's still here. It's Defendant's
14 Exhibit 32.

15 Q. All right. You're holding in your hands a Sony
16 Discman, Defendant's Exhibit 32?

17 A. That's correct.

18 Q. That is not the invention?

19 A. No. No, it's not, in the sense that there are
20 elements missing.

21 Q. And that does not have downloadable navigable
22 playlists, right?

23 A. More specifically, you can't download a playlist
24 just with this device.

25 Q. And that was made by Sony around the time of the

1 invention in this case, right?

2 A. I think it was a year or two earlier. We
3 discovered last time the writing was really small but --
4 let's see. 1993, so, it's a few years earlier; but it's
5 in the same decade.

6 Q. Now, were you in the courtroom when Tony Fadell
7 testified that Sony was the leader and the 800-pound
8 gorilla in this portable audio player space?

9 A. Yes. At that time the Discman was it. A lot of
10 people had them. They were selling really well. There
11 were lots of versions on the market. And they also had
12 cassette players. That's not at issue here, but they had
13 a lot of handheld devices that were dominating the
14 market.

15 Q. But what they did not have was a player with a
16 downloadable navigable playlist, right?

17 A. They certainly had playlists that could be
18 navigated; but to the best of my recollection, you could
19 not download a playlist onto these devices. You had to
20 either type it in or create it yourself on the device.

21 Q. Now, you also talked about an article by Loeb.

22 A. Yes.

23 Q. Now, to be clear, Loeb is also not the invention,
24 right?

25 A. That would be the ACM communications article by

1 Shoshana Loeb on LyricTime. No, it does not anticipate
2 the asserted claims.

3 Q. All right. I'd like to turn now, Dr. Wicker, to a
4 couple of Apple licenses that you talked about. All
5 right? Do you recall that?

6 A. Yes, I do.

7 Q. Now, the licenses include, for example, a
8 license -- I apologize, Dr. Wicker. Because of the slide
9 renumbering that happened during court, my slide numbers
10 are off. So, if you'd turn in your book to
11 Exhibit DDX 720, that should be the correct slide. Do
12 you have that?

13 A. The one that says "Comparable Apple Patent
14 Licenses" is 718. Is that what you're referring to?

15 Q. No. Actually -- I'm actually looking at DDX 720.
16 It just says the "Digeo '823 Patent."

17 A. Yes.

18 Q. Do you have that?

19 A. Yes, I do.

20 Q. Great. And that's up on the screen now.

21 MR. HOLDREITH: Thank you, Jeff.

22 BY MR. HOLDREITH:

23 Q. This is one of the patents that was in the
24 licenses that you talked about, right?

25 A. That's right.

1 Q. And another one that you talked about is the Digeo
2 '891 patent on DDX 721; is that right?

3 A. That's correct.

4 Q. And you talked about another patent license that
5 related to an E-Data patent; is that right?

6 A. That's correct.

7 Q. That's Slide Number DDX 719.

8 A. Yes.

9 Q. Okay. Now, you did not talk to anyone at Apple
10 about these licenses before you reached your conclusions
11 in this case, right?

12 A. Not that I recall. I studied the licenses and the
13 patents myself and came to my own conclusions. I don't
14 remember discussing them with Apple employees.

15 Q. And you don't know if Apple used these patents,
16 the Digeo and the E-Data patents, in any Apple product,
17 right?

18 A. That's right. I don't know one way or another.

19 Q. And if Apple does happen to use any of these
20 patents in its products, you don't know when or how often
21 or which products?

22 A. That's correct.

23 Q. And you don't know what value Apple places on
24 these Digeo and E-Data patents, right?

25 A. Actually I do. If you'll go to the previous

1 slide, you'll see that -- that would be Defendant's
2 Exhibit 718 -- you'll see that Apple paid \$500,000 in
3 lump sum for the E-Data agreement and 1.75 million as a
4 lump sum for the Digeo agreement.

5 Q. Dr. Wicker, didn't you tell my colleague at your
6 deposition that you don't know what value Apple places on
7 these patents?

8 A. I know that they paid half a million for one and
9 1.75 for the other; so, that would tend to lend me to
10 believe that's what they valued those patents at.

11 Q. In the back of your binder, there is a deposition
12 transcript. Could you turn to page 220, please?

13 A. 220 of the deposition transcript itself?

14 Q. Right. It's the internal numbering and the
15 reporter pages. 220. Are you with me?

16 A. Yes.

17 Q. And I'm going to read at line 12 -- now, I have a
18 question for you before I read that.

19 You had already studied these patents and the
20 licenses at the time you gave your deposition testimony,
21 right?

22 A. That's correct.

23 Q. Okay. And the question at line 12 was, "I assume
24 you also wouldn't know what value Apple places on these
25 patents that you have here in your report?"

1 And your answer at line 15 was, "No, I don't
2 know that."

3 Did I read that right?

4 A. Yes, you did.

5 Q. Now, since then, you've been talking to Apple's
6 lawyers, right?

7 A. No. No. You've left out a little bit. If you'll
8 read the previous question and answer, you'll find I was
9 talking about whether or not they were used. I don't
10 know if Apple got a good deal when they paid 1.75 and
11 half a million. I simply know what they paid. This
12 context was simply do they use it now, do they find it
13 valuable now? I don't know. But I do know what they
14 paid for it.

15 Q. Fair enough.

16 Now, you don't know whether these E-Data or
17 Digeo patents are valid, do you?

18 A. I didn't conduct that analysis; so, I can't say.

19 Q. And you don't know if they're infringed.

20 A. Again, I don't know. I haven't compared them to
21 any existing products.

22 Q. And when Apple sat down to negotiate these
23 licenses, you don't know if Apple sat down at the table
24 and said, "You know, these are valid patents. We're
25 infringing them, and we need a license?"

1 A. I certainly don't know whether they felt that way
2 or not.

3 Q. I'd like to turn now, Dr. Wicker, to the question
4 of some of the technology that's in the iPods that you
5 talked about that corresponds -- or that is accused of
6 corresponding to the structure that Judge Clark defined.
7 All right?

8 A. Okay.

9 Q. And the first thing I want to ask you about is
10 NAND flash storage. Okay?

11 NAND flash storage is something that's used in
12 the iPod nanos, right?

13 A. That's correct.

14 Q. And NAND flash, as it's used in iPods, is
15 persistent mass storage. Would you agree with that?

16 A. Yes. That's right. It's the same technology
17 that's used in thumb drives, the little things that you
18 can now plug into a USB port and store huge amounts.

19 Q. Just to be clear, though, you agree that NAND
20 flash is persistent mass storage?

21 A. Yes. Yes, definitely.

22 Q. Now, is it your view that Judge Clark's
23 construction requires that the mass storage be a hard
24 drive as opposed to NAND flash?

25 A. No.

1 Q. All right. So, you agree that the NAND flash in
2 the iPod nanos is persistent mass storage as defined by
3 Judge Clark, right?

4 A. It is persistent mass storage. But again, as
5 we've discussed, it's not equivalent to magnetic disk
6 memory for the reasons we talked about.

7 Q. Well, do you think, Dr. Wicker -- and I'm showing
8 you now Plaintiff's Exhibit 1033 -- it's the definition
9 of the corresponding structure for "means for storing a
10 plurality of program segments," right?

11 A. That's right.

12 Q. Do you think this says that the persistent mass
13 storage device has to be a magnetic disk memory or an
14 equivalent?

15 A. No. It simply says "such as a magnetic disk
16 memory."

17 Q. Right. So, a persistent mass storage device,
18 which is a NAND flash, it satisfies this definition
19 whether it's like a magnetic disk memory or not, doesn't
20 it?

21 A. It is persistent; but at the time the patent was
22 issued, it was not "like" a magnetic disk memory. It was
23 not "such as" a magnetic disk memory. In fact, that was
24 discussed by both Mr. Fadell and myself. It was too
25 expensive.

1 Q. That's the definition you applied when you
2 rendered your opinions in this case?

3 A. I applied the court's definition.

4 Q. And you understood -- and you're interpreting the
5 court's definition to say the persistent mass storage has
6 to be like a magnetic disk memory?

7 A. "Such as a magnetic disk memory." That's right.

8 Q. So, is it your opinion that if you have NAND
9 flash, which is persistent mass storage, it does not
10 satisfy this definition?

11 A. That's correct.

12 Q. Dr. Wicker, I want to talk to you about USB now
13 for a minute. The iPods, many of them use USB 2.0 for a
14 connection, right?

15 A. That's correct.

16 THE COURT: Excuse me.

17 Ladies and gentlemen, it's a little bit early;
18 but we're going to take a break. I'm going to ask you to
19 step on out to the jury room, please.

20 (The jury exits the courtroom, 9:04 a.m.)

21 THE COURT: Would you please step out of the
22 courtroom for a minute?

23 THE WITNESS: Yes, sir.

24 (Witness exits the courtroom.)

25 THE COURT: All right. Are we into a claim

1 construction problem here?

2 MR. HOLDREITH: I don't think so, your Honor.
3 The court made the construction perfectly clear. I think
4 he's disagreeing with your construction.

5 THE COURT: Well, that is a claim construction
6 problem; and that's what I'm concerned about. I'm trying
7 to follow what's happening here, but an expert can't
8 disagree with the court's claim construction. I mean,
9 you can get a higher court to disagree and that's fine,
10 but the witnesses can't. And that's what I don't want to
11 get involved in is arguments to the jury about claim
12 construction.

13 So, let me -- Mr. Cordell, I'm not sure...

14 MR. CORDELL: Your Honor, we certainly don't
15 mean to have Dr. Wicker challenge the court's claim
16 construction. I think his point is actually pretty
17 narrow on this. I think it is simply this, that at the
18 time that the patent was issued, at the time these claims
19 were to be interpreted, one of ordinary skill didn't
20 consider flash memory to be a persistent mass storage
21 device in this context. He's not disagreeing with the
22 court's claim construction. It's just that.

23 And then to put a more forceful point on it,
24 the example given in the claim construction shows that --
25 the differences that he's relying on.

1 Again, we're not -- this is not our primary
2 defense by any stretch, and I don't think that he -- I
3 think what you just heard is that he readily admits that
4 today flash memory is considered to be persistent mass
5 storage. So, you have the factual predicate for
6 plaintiffs to argue whatever they want to argue about
7 that; and we have factual predicate to argue whatever we
8 will. Again, I don't think it's a huge point; and he
9 certainly does not mean to contest the court's claim
10 construction on that in any way, shape, or form.

11 THE COURT: So, just to be clear, what he's
12 saying is that in 2001 flash -- NAND flash is not
13 considered the same or is not a structural equivalent to
14 a disk.

15 MR. CORDELL: Correct.

16 THE COURT: All right. Well, that's -- okay.
17 That's what he said. I guess he can be entitled -- now
18 I'll get back to my original question to Personal Audio.
19 That is the definition. That is the proper date. You
20 look at the date the patent is issued.

21 So, I'll get back to my original question.
22 Are we talking about a problem of claim construction or a
23 problem of he's saying as of the date of patent issuance,
24 that just simply isn't a structural equivalent.

25 MR. HOLDREITH: To be directly responsive,

1 your Honor, I think the construction says it has to be a
2 persistent mass storage; and it gives a hard disk as an
3 example. So, the correct structure to measure from is
4 persistent mass storage, not a hard drive. And I believe
5 the court made that comment earlier during JMOLs.

6 MR. CORDELL: And, your Honor, Dr. Wicker said
7 quite clearly that today persistent mass storage includes
8 flash but at that time it did not; and he's entitled to
9 that opinion. I mean, it's the testimony from --

10 THE COURT: Okay. So, he's saying that in
11 2001 NAND was not considered persistent mass storage.

12 MR. CORDELL: Correct. Correct. As echoed by
13 Mr. Fadell who said there was no way they could have made
14 a device out of flash because I think the testimony was
15 that it cost over \$3,000 just for the --

16 THE COURT: Okay. All right. All right.
17 Let's bring the witness back in, and please bring the
18 jury back in.

19 (The witness enters the courtroom.)

20 THE COURT: All right. Just for the record, I
21 conclude that we're not really talking about claim
22 construction; we're talking about what may wind up being
23 a factual dispute as to what the device was at the time
24 or as of the time the patent was issued. And that may
25 have to be fought out between the parties and the

1 witnesses.

2 MR. CORDELL: I understand, your Honor. Thank
3 you.

4 (The jury enters the courtroom, 9:14 a.m.)

5 THE COURT: All right. Ladies and gentlemen,
6 there was a legal issue that I thought was being brought
7 up; and it is not. It's just something I have to be
8 careful about; so, we'll just continue on.

9 Again, please remember your instructions.
10 Nothing I say or do should indicate to you that I have an
11 opinion on the facts one way or the other; but kind of
12 like an umpire or referee, I have to be very careful
13 about the rules. It turns out that that's not going to
14 be a problem here; so, we'll just go along.

15 Go ahead, counsel.

16 MR. HOLDREITH: Thank you, your Honor.

17 BY MR. HOLDREITH:

18 Q. Dr. Wicker, I guess I just have one follow-up
19 question about NAND flash, then. NAND flash was
20 available technology for persistent mass storage in 2001.
21 It's just your opinion it was very expensive?

22 A. Yes.

23 Q. All right.

24 A. That's correct.

25 Q. Now I'd like to talk to you about USB. USB 2.0 is

1 a standard that Apple uses for connecting iPods to
2 computers, right?

3 A. That's correct.

4 Q. And looking now at Plaintiff's Exhibit 348, this
5 is a document you reviewed, the universal serial bus
6 specification?

7 A. Yes. That's correct.

8 Q. And this is the specification for USB 2.0, right?

9 A. That is right.

10 Q. And that was available in April, 2000?

11 A. Yes, that's correct.

12 Q. So, by March of 2001, when the '076 patent issued,
13 USB 2.0 was available?

14 A. Yes, it was.

15 Q. The processors that are used in iPods are
16 System-on-Chips, right?

17 A. Yes. I think that's a fair description.

18 Q. And System-on-Chips for audio players were
19 available by March of 2001, right?

20 A. If by "audio players" you mean more generally, for
21 example, large players, yes. There were audio chips for
22 large devices.

23 Q. Let's take a look at Plaintiff's Exhibit 759.
24 This is a specification or a description of a Cirrus
25 Logic System-on-Chip for an ultra-low-power audio

1 decoder, right?

2 A. Yes. That's right.

3 Q. That's what the title says.

4 A. Yes, that's right.

5 Q. Ultra-low-power is something that's useful in
6 portable, mobile applications, right?

7 A. That's right. Typically when there is a battery
8 involved, one looks for low-power chips.

9 Q. And so, this is a description of a System-on-Chip
10 for a mobile audio player that was available in March of
11 2001, right?

12 A. If I remember Mr. Fadell's testimony, one of the
13 problems he had with this chip was that they weren't
14 delivering what they were promising. This sheet may be
15 dated 2001, but I'm not clear that the devices were
16 actually available.

17 Q. Well, that was in reference to the 7409, right?

18 A. I think you're right. That's correct.

19 Q. And this is the 7209.

20 A. That's right. This is the earlier version.

21 Q. So, that was available in March of 2001.

22 A. Yes, that's right.

23 Q. And you were talking about this sheet; but to be
24 clear, this Plaintiff's Exhibit 759 is a very long,
25 multipage document. It runs over a hundred pages.

1 A. That's right. The front page is often referred to
2 in that form as a "data sheet."

3 Q. All right.

4 A. That's its jargon.

5 Q. I'd like to discuss now, Dr. Wicker, the IR link
6 that has come up in your testimony, right?

7 A. Yes.

8 Q. And that's related to the court's claim
9 construction as the means for receiving, correct?

10 A. That's right. It's one of the two structures in
11 the fourth element, the list of overall structures that
12 the court found.

13 Q. You're referring to Element Number 4 here on
14 Plaintiff's Demonstrative Exhibit 1027, the construction
15 of "the means for receiving"?

16 A. Yes, that's correct.

17 Q. Now, you showed -- and I hope the slide numbering
18 is ironed out, yes -- Defendant's Demonstrative
19 Exhibit 449 to illustrate your opinion that the iPod does
20 not have structural equivalent to that IR link, right?

21 A. That's correct.

22 Q. And what you showed here is an example from the
23 patent where you could have a player in your car and an
24 infrared link to a local communications server that's
25 linked to the Internet that's linked to another server,

1 right?

2 A. Yes. That's correct.

3 Q. Now, for the means for receiving -- including that
4 Number 4, the IR link -- the Internet is not part of the
5 structure that's required for the player, right?

6 A. Would you mind going back, then, to the previous
7 slide? Because I'm not sure I entirely agree.

8 Q. You want to see the construction again?

9 A. Yes, please.

10 Q. Sure. Here it is.

11 A. "Means for receiving and storing a file of data
12 establishing a sequence."

13 "A radio or infrared link for connecting to a
14 local communications server computer linked to the
15 Internet." So, I would suggest that "linked to the
16 Internet" is actually part of the construction here.

17 Q. What you have to have on the player is a link for
18 connecting, right?

19 A. That's right, a radio or infrared link that will
20 allow you to connect to a local communications server
21 that is linked to the Internet.

22 Q. Right. So, the Internet is not part of the
23 structure of the claimed player, right?

24 A. The Internet is not part of the player. The
25 infrared link that connects you to the Internet is part

1 of the player --

2 Q. Exactly.

3 A. -- that's claimed.

4 Q. The player has to have a link.

5 A. That's right.

6 Q. But the player doesn't have to have the Internet.

7 A. The player doesn't have to have the Internet, but
8 the infrared link must be for connecting to a server that
9 is linked to the Internet.

10 Q. Exactly.

11 And the local communications computer is not
12 part of the structure of the claimed player, right?

13 A. It's not part of -- oh, I'm sorry. It's not part
14 of the player, no. The player contains a link that
15 connects to the server, but the server is not part of the
16 player.

17 Q. Right.

18 A. In fact, that's why you have the link, so you can
19 connect the player to the server.

20 Q. Exactly. And obviously the car is not part of the
21 structure. You're not suggesting that there has to be a
22 car here to find infringement.

23 A. No. The car comes up when one looks at how the
24 patent describes this infrared link. The only discussion
25 of an infrared link is in the context of connecting your

1 car to a server in your garage.

2 Q. Are you sure about that?

3 A. It mentions IrDA and it says IrDA has lots of
4 applications, but in an actual embodiment using infrared,
5 yes.

6 Q. All right. Well, maybe we'll come back to that.

7 Now, you know, sir, that iPods are
8 specifically programmed and set up to get content over
9 the Internet through your local computer, right?

10 A. No. No. iPods are designed to connect to a
11 computer running *iTunes*.

12 Q. Did you consider, as one of the documents you
13 looked at in this case, the iPod classic user guide?
14 Here is Plaintiff's Exhibit 101.

15 A. Yes.

16 Q. Did you read page 1, which is Plaintiff's
17 Exhibit 101, at page 4?

18 A. Can you blow that up, please?

19 Q. Sure.

20 A. Thank you. That's much better.

21 Yes.

22 Q. All right. And on page 1 of the iPod user guide,
23 Plaintiff's Exhibit 101, page 4 -- there is a table of
24 contents. That's why it's page 4 in the exhibit.

25 A. That's fine.

1 Q. It says, "To use iPod classic, you put music" --
2 among other things -- "on your computer and then add them
3 to the iPod classic," right?

4 A. Yes. That's right.

5 Q. So, that says you have a link to your local
6 computer. That's one thing you need, right?

7 A. That's correct.

8 Q. And it also says that you should (reading) listen
9 to podcasts and downloadable audio delivered over the
10 Internet, right?

11 A. That's right.

12 Q. And it's explaining you can get songs and podcasts
13 from the Internet to your local computer and then put
14 them on your iPod, right?

15 A. That's right.

16 Q. And that's what the link on the iPod, the
17 communications port, is for?

18 A. No. No. What the communications port is for is
19 for taking whatever is on this computer and putting it
20 onto the iPod. The iPod has absolutely no capability of
21 somehow accessing the Internet and requesting a download
22 as described in the patent.

23 Q. All right. Here's another page, page 17 of the
24 user guide. It's Plaintiff's Exhibit 101 at page 17.

25 This page says here are ways to set up your *iTunes*

1 library on your local computer, right?

2 A. Yes, that's right.

3 Q. And it says "To listen to music on iPod
4 classic" -- that's the iPod, right? Is iPod classic --

5 A. Oh, I'm sorry. I agree.

6 MR. ELACQUA: Your Honor, objection. I
7 believe this goes into setting up *iTunes* and even down
8 below, the *iTunes* Store. We would object on that basis.

9 THE COURT: Overruled. I think based on his
10 testimony on direct and on cross, this is opened up.

11 Go ahead, counsel.

12 BY MR. HOLDREITH:

13 Q. Dr. Wicker, it says (reading) to listen to music
14 on your iPod, you first need to get that music into
15 *iTunes* on your computer, right?

16 A. That's right.

17 Q. And then it explains some ways to get that music
18 onto your computer, right?

19 A. That's correct.

20 Q. And it says one way you can do it is to purchase
21 music on download podcasts online from the *iTunes* Store,
22 right?

23 A. That's right.

24 Q. And you do that over the Internet.

25 A. That's right.

1 Q. And, in fact, it even tells you "if you have an
2 Internet connection, you can easily purchase and download
3 songs," right?

4 A. Yes, that's correct.

5 Q. And then if we look at page 11 of the user's
6 guide, which is Plaintiff's Exhibit 101 at 11, this
7 explains how to connect your iPod to your local computer
8 using that USB port, right?

9 A. That's right.

10 Q. And this is how you get the music and the podcasts
11 from the Internet onto your iPod.

12 A. That's right. Whatever is on your computer
13 running *iTunes*, you can get it onto the iPod when you
14 synchronize.

15 Q. It says, "By default, *iTunes* syncs songs on iPod
16 classic automatically when you connect it to your
17 computer." Is that what it says?

18 A. That's right, yes.

19 Q. Dr. Wicker, are you aware that the iPod when it
20 comes out of the box from Apple, that it has source code
21 that classifies purchased items that have come from the
22 *iTunes* Store?

23 A. It does have software that has the capability of
24 identifying or labelling a particular song as either
25 purchased from the *iTunes* Store or otherwise, in other

1 words, not purchased. It could come from a CD or
2 something like that.

3 Q. So, when the iPod leaves Apple's factory, there's
4 already source code on it that says, "Hey, if you get a
5 purchased song that came from the Internet, here's how
6 you classify it," right?

7 A. Right. And just so I'm clear, to purchase songs,
8 you'd have to purchase songs from a computer running
9 *iTunes* and then download that song onto the iPod. You
10 can't purchase songs from an iPod.

11 Q. Exactly. You need a local computer that connects
12 to the Internet, right?

13 A. Right. You cannot connect directly through a
14 server to the Internet using your iPod.

15 Q. Let me talk to you about the term "fetching" for a
16 minute. Okay? You know that there are some claims that
17 talk about an audio player fetching and playing songs.

18 A. Yes.

19 Q. And do you dispute that iPods have structure that
20 fetches and plays songs?

21 A. What the iPod does is it has the ability to load
22 audio into RAM. Once in RAM, that audio can be played if
23 it comes up -- if a user selects it, if it comes up on a
24 playlist. And, so, I agree to the extent that yes, you
25 can fetch music, take it off the hard drive, for example,

1 every 20 minutes if you're playing a long playlist, load
2 it into RAM, and then at the appropriate time it will be
3 played.

4 Q. But you're not contesting that -- the part of the
5 structure that the accused products fetch and play audio
6 program segments. That's present, right?

7 A. An iPod can certainly fetch and play audio
8 segments, yes.

9 Q. And specifically that part of the structure in the
10 claims, which is fetching and playing audio program
11 segments, that's in the iPod. You would agree with that?

12 A. One can fetch and play audio segments using an
13 iPod.

14 Q. I'd like to talk to you now about the element of
15 the controls, the input means.

16 A. Yes.

17 Q. And, Dr. Wicker, you say that the iPod buttons are
18 not equivalent to the structure which is the input means,
19 right?

20 A. That's correct.

21 Q. Let me just catch up to my place here.

22 In fact, you showed a slide -- this one,
23 DDX 457 -- to illustrate that point, right?

24 A. That's right.

25 Q. And what you were saying is you think that the

1 structure that's required is a keyboard, right?

2 A. I believe I'm actually quoting from the court's
3 claim construction. The court has identified a keyboard
4 as being a structure that implements the appropriate
5 function.

6 Q. And what you showed here is a QWERTY keyboard like
7 you'd use on a computer to write email?

8 A. Yes.

9 Q. And --

10 A. A standard keyboard.

11 Q. And the quote you have from Dr. Almeroth here is,
12 "In your opinion, in 2001 to somebody skilled in this
13 art, the four buttons on the iPod are a structure which
14 is identical or equivalent to a keyboard as defined
15 here," right?

16 A. Yes.

17 Q. And are you saying that the definition he was
18 referring to is a QWERTY keyboard with all of the
19 alphabet keys?

20 A. I believe the definition there -- it's a reference
21 to the claim construction, not to a keyboard or a
22 particular definition for a keyboard.

23 Q. Were you in court when Dr. Almeroth gave that
24 testimony?

25 A. Yes, I was.

1 Q. Do you recall that he referred to the IEEE
2 dictionary?

3 A. Yes.

4 Q. Do you recall that he referred to a definition
5 which is a "choice device"?

6 A. That's right.

7 Q. And this is Plaintiff's Exhibit 767 at page 11;
8 and it says, "A typical physical device is a function
9 keyboard or a set of function keys" and a synonym is a
10 "button device," right?

11 A. That's right.

12 Q. Isn't that the definition Dr. Almeroth was
13 referring to?

14 A. Thank you for reminding me. Yes. It was the
15 definition for "choice device" as opposed to a definition
16 for a "keyboard."

17 Q. So, it wasn't a QWERTY keyboard, right?

18 A. The keyboards that have been referred to are
19 QWERTY or similar keyboards.

20 With regards to this choice device, I'm not
21 sure why he chose this particular word to look up as
22 opposed to keyboard. But the choice device is a more
23 general term that could include a keyboard or a set of
24 function keys. I certainly agree with that definition.

25 Q. I'd like to turn now, Dr. Wicker, to your

1 discussion of something called the "LocType variable."
2 Okay? And you showed Figure 5 of the patent here. I'm
3 showing it from the '076 patent, and it happens to be
4 Plaintiff's Exhibit 1 at page 7. This is a figure that
5 you talked about, right?

6 A. Yes. That's right.

7 Q. And you would agree that it's a valid playlist
8 under the patent if all of the records in the playlist
9 are P-type programs, right?

10 A. When you say "valid," you mean that it has
11 Selection_Records that include both LocTypes and
12 ProgramIDs?

13 Q. Right.

14 A. Yes. So long as the Selection_Record and the
15 LocType is there, then it satisfies the definition for
16 "Selection_Record."

17 Q. So, this example playlist could be made up
18 entirely of just the letter P and a ProgramID, a whole
19 bunch of those in series, right?

20 A. Yes. It would still have the LocType and the
21 ProgramID.

22 Q. Could you turn, please, to Plaintiff's
23 Exhibit 1074 in your book?

24 A. PX 1074?

25 Q. Right.

1 A. I don't have that.

2 THE COURT: I don't, either.

3 MR. HOLDREITH: I apologize, your Honor.

4 THE COURT: Just put it up on the screen.

5 MR. HOLDREITH: Well, I think there is an
6 objection to it. I need to lay a little bit of
7 foundation.

8 THE COURT: All right.

9 Ladies and gentlemen, we're going to go ahead
10 and take a break. I will ask you to be back at ten of.

11 (The jury exits the courtroom, 9:34 a.m.)

12 THE COURT: All right. We'll be in recess
13 until ten of.

14 (Recess, 9:35 a.m. to 9:51 a.m.)

15 (Open court, all parties present, jury
16 present.)

17 THE COURT: Go ahead, counsel.

18 MR. HOLDREITH: Thank you, your Honor.

19 BY MR. HOLDREITH:

20 Q. Dr. Wicker, I apologize. During the break we were
21 able to distribute a copy of that 1074. Do you have a
22 copy of that now?

23 A. Yes, I do.

24 Q. Let me direct your attention to the screen first.

25 This is from a patent still, Plaintiff's Exhibit 1, at

1 page 7. A ProgramID could refer, for example, to a song,
2 right?

3 A. That's correct.

4 Q. P-type record could be a song?

5 MR. ELACQUA: Your Honor, this Exhibit 1074 --
6 if you're putting it up there, we have an objection under
7 Rule 403 that it would be confusing because it's made to
8 look like something that's not in the patent.

9 THE COURT: Okay. Well, it's not up there
10 yet.

11 MR. HOLDREITH: It's not up there yet.

12 THE COURT: All right.

13 MR. HOLDREITH: I'll get there in a second.

14 THE COURT: Let's see how he tries to get
15 there and then go ahead and make your objection.

16 MR. ELACQUA: Thank you, your Honor.

17 BY MR. HOLDREITH:

18 Q. So, Doctor, I think the question I had asked you
19 is that this playlist, in accordance with the patent, it
20 could be made up of all P records and ProgramIDs, so all
21 songs. That would be a valid playlist, right?

22 A. If it just had ProgramIDs with P LocTypes, would
23 it be a valid sequence file?

24 Q. Right.

25 A. No. There still wouldn't be the R record at the

1 end and at the beginning. In other words, it wouldn't do
2 continuous play. So, if you mean "valid" as in
3 satisfying the claim limitations, it wouldn't perform
4 continuous play.

5 Q. Well, let me rephrase that question a little bit.

6 There's no requirement for the playlist to
7 have any other LocType than a P LocType with ProgramIDs,
8 right?

9 A. Well, again, if you want it to perform continuous
10 play, it can't just have Ps; it's got to have Rs on the
11 ends. Otherwise, it won't perform continuous play.

12 If you mean would it still be a sequence file
13 even though it didn't satisfy all of the claim
14 limitations, yes.

15 Q. And I'm not sure if you're disagreeing with me.
16 Can you look at page 91 of your deposition transcript,
17 please?

18 A. Okay. I'm there.

19 Q. And starting at line 11, you were asked, "I was
20 just trying to establish that one could create a
21 sequencing file in accordance with the specification here
22 with just one LocType, P, for programming segment,
23 right?"

24 And then at line 16 you said, "Yes. But the
25 capability would remain to distinguish between different

1 LocTypes and other playlists."

2 Did I read that correctly?

3 A. I think you did. The key, of course, is in
4 accordance with the specification; and you were asking me
5 about valid. So, by "valid" I thought you meant
6 satisfying claim limitations. You can do things
7 according to the specification and still not satisfy the
8 claim limitations. That was -- that's the only point.

9 Q. All right. Now, could you look at Exhibit 1074?

10 THE COURT: Wait. Do you have an objection
11 now?

12 MR. ELACQUA: Yes, your Honor. This
13 Exhibit 1074 is -- under Rule 403 it is confusing and
14 misleading because it is meant to look like something
15 that's in the patent and which it's not.

16 THE COURT: Okay. I think that could be
17 handled by the witness and, if necessary, by questions
18 from you about it if necessary. I think the jury can
19 understand that based on what the witness and lawyer are
20 saying. So, I will overrule that.

21 BY MR. HOLDREITH:

22 Q. Dr. Wicker, now, 1074 is not a figure from the
23 patent. I want to be clear about that. This is just an
24 illustration of what a sequence might look like if it
25 just had P records that are ProgramIDs. Are you with me?

1 A. Yes.

2 Q. And in this example what you have is a sequence
3 which is all, for example, songs, right? Is that right?

4 A. We can certainly assume that. All those
5 ProgramIDs can be songs.

6 Q. And that is in accordance with the description in
7 the specification, right?

8 A. Yes -- well, the fact that a ProgramID could be a
9 song is in accordance with the specification.

10 Q. And the fact that a sequence could be all songs.

11 A. Yes. That's correct.

12 Q. Now, I want to ask you a little bit about how you
13 did your construction and what rules you followed when
14 you were considering whether an algorithm was equivalent
15 structure. Okay? I'm showing you now Plaintiff's
16 Exhibit 1040. It's the construction of the "means
17 responsive to said first command" limitation in the '076
18 claim 1. Okay?

19 A. Okay.

20 Q. And the algorithm here has three steps, right?

21 A. Yes.

22 Q. Now, for purposes of evaluating whether an
23 algorithm is equivalent, do you understand that you could
24 have a different number of steps and still be equivalent?

25 A. So long as those three steps are performed, there

1 can be equivalents.

2 Q. You can do it with two steps, for example, as long
3 as you were doing the equivalent thing.

4 A. Oh, I see. So, you're asking perhaps I could
5 combine 1 and 2 to have a single step that did both?

6 Q. For example.

7 A. It's my understanding that so long as all three
8 steps are somehow performed, then you -- there is either
9 a possibility of identical structure or equivalents.

10 Q. Even if someone could figure out how to do it in
11 one step, that could still be equivalent?

12 A. I haven't thought about whether that's possible;
13 but if it is, then yes, that's my understanding.

14 Q. And the variable names -- you don't have to have
15 the identical variable names, right? You could call the
16 Selection_Record something else.

17 A. That's correct. It's the structure, not the name
18 of the structure, that's important.

19 Q. All right. Now I'd like to ask you about the
20 comparison between the IR link, the infrared link, in the
21 court's claim construction and the USB connection in the
22 iPod. Are you with me?

23 A. Yes.

24 Q. And your view is that there are substantial
25 differences between using an infrared link and using a

1 USB connection, correct?

2 A. That's correct.

3 Q. All right. So, let's explore that.

4 There are some similarities between an
5 infrared link and a USB link. Would you agree with that?

6 A. Yes. For example, they are both data
7 communication technologies. You can send bits over
8 either one.

9 Q. Exactly. Let's go through some of those. So,
10 they're both point-to-point connections, right?

11 A. Yes.

12 Q. And both IR and USB allow direct connection
13 between pairs of devices, right?

14 A. Yes. They allow for point-to-point connections
15 between devices. That's correct.

16 Q. So, you can use both to connect a handheld player
17 device to a computer, for example, right?

18 A. Yes.

19 Q. And they are both usable for transferring data
20 between those two devices, right?

21 A. Yes, both IR and -- IrDA, in particular, and USB
22 will allow for the transport of data between two points.

23 Q. And when you say "IrDA," you're referring to
24 I-r-D-A?

25 A. Yes. That's correct.

1 Q. And that means the infrared data standard?

2 A. Yes.

3 Q. And they are both -- IR, or IrDA, and USB, they
4 are both standard transmission protocols, right?

5 A. Both IrDA and USB are standardized. That's right.

6 Q. And they are both for use over relatively short
7 distances, right?

8 A. I think IrDA might actually go a little longer,
9 but distance is everything being relative. So, we're in
10 the 5- to 10-, 20-foot range for IrDA; and USB tends to
11 be a little shorter. I can't remember its maximum run
12 length, but it's a few feet.

13 Q. All right. Now, Dr. Wicker, there is in the
14 patent specification in this case a discussion of using
15 IrDA with a PDA, right?

16 A. Yes.

17 Q. And I'm showing you Plaintiff's Exhibit 1. That's
18 the patent, right?

19 A. Yes. That's right.

20 Q. If we go to page 13, there is an example here or
21 discussion in Column 7 at line 53 -- I'm just going to
22 blow that up.

23 This talks about IrDA, what you call "IrDA."

24 A. Yes, right in the middle where it says, "The
25 infrared Data Association's (IrDA) wireless infrared (IR)

1 standard.

2 Q. And it talks about using IR as a "pathway rapidly
3 becoming a standard feature in all notebook computers and
4 PDAs," right?

5 A. That's right.

6 Q. And in 2001 it was known that you could sync a PDA
7 with a computer using IR, right?

8 A. Yes. That's correct.

9 Q. Now, you, yourself, have not -- or at least at the
10 time you formed your opinions in this case -- had not
11 done IR syncing. You had not used that standard.

12 A. Let me be careful. When we talk about syncing a
13 PDA, this isn't music syncing. Just so I'm clear, it's
14 syncing data, for example, a calendar, relatively small
15 files, in fact, significantly smaller than music files.

16 And to get to your question, I had PDAs and
17 notebook computers. In fact, I think I did have a
18 notebook computer that had IR capability; but I didn't
19 use IR to sync my PDA. I put it in a cradle to cause it
20 to synchronize. So, it was a wired connection.

21 Q. So, to be clear, you, yourself, never used that IR
22 connection, right?

23 A. Well, I never used IR for my PDA that I can
24 recall, no.

25 Q. And you haven't studied it; and you don't know the

1 details of that IR sync, right?

2 A. I certainly have studied IrDA. I am not as
3 familiar with exactly how, for example, the PalmPilot in
4 2001 used IR to perform synchronization.

5 Q. Exactly. You haven't studied IR being used to
6 sync, and you don't know the details of it.

7 A. Well, again, if it's using IrDA, I know a fair
8 amount about it; but I did not study my PalmPilot -- I
9 should say I didn't use the IR capability of the
10 PalmPilot.

11 Q. You're not saying that you know how the IR sync
12 was used with a PDA or the details of how it operated,
13 are you?

14 A. No. To find out the details of how a PalmPilot
15 used its IR to sync, I'd have to get in deep and study
16 it, look at the software, et cetera.

17 Q. Now, Dr. Wicker, let's talk a little bit more
18 about this comparison. One of the things that you
19 referenced in your testimony is a patent that Apple has
20 on using the scroll wheel, right?

21 A. That's correct.

22 Q. And that's Defendant's Exhibit 199?

23 A. Yes. That's correct.

24 Q. And this patent is something that you relied on?

25 A. Yes.

1 Q. Now, this Apple patent was filed in 2001, right?

2 A. Yes.

3 Q. And that's, oh, about four or five years after the
4 patents in this case were filed in 1996.

5 A. That's correct.

6 Q. And this patent is assigned to Apple, right?

7 A. Yes.

8 Q. And it shows, here on the cover, something that
9 looks a whole lot like an iPod.

10 A. Yes, that's right.

11 Q. Now, you concluded this is an important Apple
12 patent in this case, right?

13 A. Yes. It informed me that the scroll wheel itself
14 was sufficiently innovative that patent protection was
15 applied for.

16 Q. Exactly. This is a patent on a scroll wheel,
17 right, not a patent on the whole iPod?

18 A. That's right. It's just one small piece of the
19 iPod. I think if you'll highlight the title, that will
20 make that point clear.

21 Q. The title is "Method and Apparatus for Accelerated
22 Scrolling."

23 A. That's right.

24 Q. Okay. Now, you would agree that the patent
25 appears to show somebody, in Figure 9, using an iPod

1 scroll wheel, right?

2 A. Yes.

3 Q. And in Figure 7B there is something that looks a
4 whole lot like an iPod.

5 A. That's correct.

6 Q. And you understand the identification system in
7 patents. This is -- Number 700 refers to this whole
8 player here (indicating), right?

9 A. Yes.

10 Q. Now, I'm going to show you Column 10 of
11 Defendant's Exhibit 199. Do you remember what the number
12 was that referred to the player?

13 A. That's not fair.

14 Q. 700.

15 A. I can't remember. 700. Okay.

16 Q. Right?

17 Now, you know that when you file a patent in
18 the Patent Office, you sign an oath that what you're
19 saying is true, right?

20 A. Yes.

21 Q. So, when Apple filed this patent, they were
22 certifying to the United States Government that what's in
23 the patent is true?

24 A. That's correct -- or that's my understanding.

25 Q. And if we look at Column 10, which is Defendant's

1 Exhibit 199 at page 25, there is some discussion of the
2 player 700, right?

3 A. (Pausing.)

4 Q. Are you with me?

5 A. I'm reading through it real fast. Sorry.

6 Yes. I see that.

7 Q. And what this says -- what Apple said to the
8 government and the public is, "The media player 700" --

9 That's the iPod, right?

10 A. Yes.

11 Q. -- "typically has connection capabilities that
12 allow a user to upload and download data to and from a
13 host device such as a general purpose computer." Did I
14 read that right?

15 A. Yes.

16 Q. And then a little further down they say, "In one
17 embodiment, the media player 700 can be a pocket-sized
18 handheld MP3 music player that allows a user to store a
19 large collection of music." With me so far?

20 A. Yes.

21 Q. Now, going back to that figure, 7B, there is
22 something here called "718," right?

23 A. Yes.

24 Q. And you know what that is?

25 A. Looks like a FireWire port.

1 Q. That's the port for connecting the iPod to the
2 computer, right?

3 A. Yes.

4 Q. And let's remember the number this time. It's
5 718.

6 A. Thank you.

7 Q. If we go to Column 12 of the patent, there is some
8 discussion at about line 21. I'll blow it up for you.
9 And what Apple said here to the government and to the
10 public is that (reading) the media player 700 may also
11 include a power switch, a headphone jack, and a data port
12 718, right?

13 A. Yes.

14 Q. And that is the port on iPods for connecting iPods
15 to computers, right?

16 A. Yes. If we assume that the iPod 700 -- excuse
17 me -- the media player 700 is, in this particular
18 instance, an iPod -- it certainly looks like one -- then
19 that data port 718 would be the FireWire port.

20 Q. And it says here, "The data port is capable of
21 receiving a data connector/cable assembly configured for
22 transmitting and receiving data to and from a host
23 device, such as a general purpose computer," right?

24 A. That's correct.

25 Q. Now, your opinion is that infrared and USB are not

1 interchangeable ways to get data to and from an iPod,
2 right?

3 A. That's correct.

4 Q. In the patent, what Apple said to the public and
5 the government is you can use that data port "to upload
6 or download songs to and from the media device," right?

7 A. That's correct.

8 Q. And it said, "The data port may be widely varied,"
9 right?

10 A. Yes.

11 Q. And then it gave examples here. For example, it
12 could be a USB port, a FireWire port, and the like,
13 right?

14 A. That's correct.

15 Q. And then what Apple said is, "In some cases, the
16 data port 718 may be a radio frequency link or optical
17 infrared link to eliminate the need for a cable." Did I
18 read that right?

19 A. Yes.

20 Q. I just have one more question for you,
21 Dr. Wicker -- it might turn into two. Do you say the
22 claims are not met in this case if you take the playlist
23 out of storage on the iPod and you operate on it in RAM?

24 A. If the playlist were actually stored in playlist
25 form on a persistent hard drive, they would satisfy --

1 the accused devices would satisfy the limitations that
2 call for that. The playlists aren't stored in a playable
3 form in the persistent hard drive. So, by unfolding the
4 database into memory, you're actually creating the
5 playlist at that point in time. So, it's not a matter of
6 where they're played; it's a matter that they never
7 actually are stored as playlists on the hard drive.

8 Q. So, that wasn't my question. My question is: Do
9 you say the claims are not met if you read the playlists
10 out of storage into RAM and then you operate on the
11 playlists in RAM instead of going back and reading them
12 from the hard disk?

13 A. Okay. So, I'm going to make sure I understand.
14 So, if the playlists are actually stored persistently,
15 the fact that you take them off the hard drive without
16 changing them or, you know, translating them somehow, put
17 them in RAM and play them from there, that's not an issue
18 as far as I'm concerned.

19 Q. And you don't have to keep going back to the disk
20 to read the hard drive, right? You can just read and use
21 the playlist in RAM.

22 A. As long as the playlists -- and this is now a
23 hypothetical. This is not what these devices do. But as
24 long as the playlists are stored in playlist form on the
25 hard drive, sure, you can take them out and put them into

1 RAM.

2 Q. All right.

3 MR. HOLDREITH: I pass the witness.

4 REDIRECT EXAMINATION OF STEPHEN WICKER

5 BY MR. ELACQUA:

6 Q. Thank you, Dr. Wicker. Doctor, let's start off
7 right with what Mr. Holdreith was talking about regarding
8 whether -- what's stored on the hard drive versus what's
9 stored in memory. Can you explain again, Dr. Wicker,
10 sort of how that process works from once the database is
11 on the hard drive and what happens after that, when the
12 iPod is powered on?

13 A. Okay. During synchronization a computer running
14 *iTunes* places a file, single file, called -- well, let's
15 use the Dulcimer example. It puts a Dulcimer database on
16 one of these devices.

17 Now, at that point in time the device, when
18 it's being synchronized, is just a dumb hard drive. It's
19 just a hard drive, just sitting there. But when you
20 unplug the cable, this device reboots and it becomes a
21 player again. And at that point it's going to take that
22 single database out of hard drive storage and literally
23 unfold it into memory. It's going to translate it.
24 There's all kinds of software in here that picks pieces
25 of that database and builds playlists, builds contact

1 information, builds all kinds of stuff out into RAM.

2 So, the point was that that database that
3 comes over from *iTunes* onto this device -- you can't just
4 look in there and see the playlists. They have to be
5 built up by software in the device and put into RAM.

6 Q. Okay. Thank you.

7 Now, Dr. Wicker, when someone actually plays
8 back a playlist, does it go back to what's on the disk,
9 the Dulcimer database; or does it use what's in memory?

10 A. As far as the playlist is concerned, it never goes
11 back to the disk to try and get more playlists, for
12 example. The only time it goes back to the disk is to
13 get audio. In other words, we'll get 20 minutes worth of
14 audio for that playlist; and then it will go back and get
15 more 20 minutes later.

16 Q. Okay. I want to go back to something that you
17 talked about at the beginning of the day today, the
18 phrase "downloadable navigable playlists." Do you recall
19 that phrase?

20 A. I believe counsel used it several times.

21 Q. Okay. Now, does that phrase appear anywhere in
22 the claims of the patents-in-suit?

23 A. No.

24 Q. How about the claim construction? Does that
25 phrase appear in the claim constructions of the

1 patents-in-suit?

2 A. No.

3 Q. Okay. Now, before that, I think we talked a
4 little bit about source code relating to DAD; is that
5 right?

6 A. Yes.

7 Q. Okay. Was there anything missing from DAD that
8 you felt like you needed to review the source code?

9 A. No.

10 Q. And I think a little bit later we talked about
11 Plaintiff's Exhibit 101.

12 MR. ELACQUA: And if we could have --
13 actually, I think I could use the Elmo here.

14 BY MR. ELACQUA:

15 Q. And Plaintiff's Exhibit 101 was, I believe, the
16 iPod classic user guide. So, I'd like to focus,
17 Dr. Wicker, on these right here (indicating). I think we
18 only really talked about as far as the Internet. What
19 are these bullets describing, Dr. Wicker?

20 A. Okay. What they're describing are the three ways
21 you can get music into the computer -- in this case it
22 looks like a laptop -- that's running *iTunes*, because
23 you've got to get the music onto the computer before you
24 can move it from the computer to an iPod.

25 It says the three ways -- I won't read it all,

1 but basically you can purchase music or audio books or
2 videos from the *iTunes* Store. You can import music and
3 other audio from audio CDs -- and that's why they're
4 showing the CD right there (indicating). You can
5 literally place -- if your computer will play CDs, you
6 can place the CD into a slot on your computer and it will
7 show up in *iTunes* and you can simply copy it onto your
8 computer.

9 And then the final one is "add music and other
10 audio that's already on your computer." So, if, for
11 example, you had some other audio functionality on your
12 computer, you could copy those files over into *iTunes*.

13 Q. Now -- thank you, Dr. Wicker.

14 We talked about a definition from the IEEE
15 dictionary of "choice device." Do you recall that?

16 A. Yes.

17 Q. Now, choice device, is that one of the structures
18 in the court's claim construction?

19 A. No.

20 Q. Okay. We also talked a little bit about IrDA and
21 the -- IrDA and the infrared link. Do you recall those
22 discussions --

23 A. Yes, I do.

24 Q. -- with Mr. Holdreith -- I'm sorry.

25 You talked about some of the similarities; is

1 that right?

2 A. That's correct.

3 Q. Let's refresh again. Do you have an opinion as to
4 whether IrDA and USB or FireWire, there are any
5 differences?

6 A. There are substantial differences.

7 Q. What are some of those?

8 A. Well, for example, IrDA has to be aimed just like
9 your garage door opener or your TV controller. You have
10 to carefully aim the transmitter at the receiver; so,
11 there has to be an unobstructed line of sight between the
12 two. Otherwise, the data won't get transferred.

13 For USB it's completely different. I can hook
14 an iPod -- you know, if we assume this is a computer, I
15 could hook an iPod up to the computer and the iPod could
16 be down here (indicating). It could be in my lap. It
17 could even be in my pocket, and I'd still have a
18 connection. So, that is a significant difference, a
19 substantial difference.

20 Other differences include speed. We talked
21 about that. There's a wide variety of differences.

22 Q. Now, do you consider IrDA to be a substitute for
23 USB or FireWire?

24 A. Not in the context of the iPods. In fact, I
25 believe Mr. Fadell testified to that effect. He did not

1 even consider IrDA as a potential means for connecting
2 these iPods to a computer.

3 It wouldn't work. There's too much data that
4 has to be transferred. The connection has to be very,
5 very solid. It would be very difficult to synchronize
6 one of these devices using IrDA; and for that reason, I
7 don't think one would swap IrDA in and USB out.

8 Q. Okay. Dr. Wicker, this is Plaintiff's
9 Exhibit 1074. Does this exhibit appear in the patent --
10 does this figure appear in the patent?

11 A. No.

12 MR. ELACQUA: No further questions, your
13 Honor. I pass the witness.

14 MR. HOLDREITH: Nothing further, your Honor.

15 THE COURT: You may step down. Thank you.

16 THE WITNESS: Thank you, your Honor.

17 THE COURT: Next witness?

18 MR. CORDELL: Your Honor, with that, Apple
19 calls Dr. Keith Ugone.

20 (The oath is administered.)

21 MR. CORDELL: Your Honor, may I make a brief
22 transitional statement?

23 THE COURT: Do you have any time left?

24 DEPUTY CLERK: A minute and a half.

25 MR. CORDELL: I'll make it extra brief, your

1 Honor.

2 Good morning, ladies and gentlemen. Thank you
3 again for your service and coming back. I hope everybody
4 had a good weekend. I have good news. This is the last
5 witness that at least Apple is going to present in this
6 trial. And Dr. Ugone is going to help us with the
7 damages analysis and really respond to what Mr. Nawrocki
8 presented to you. Please, please, please don't conclude
9 that because we are talking about damages, we are
10 suggesting to you that any damages are owed. I'll say it
11 one more time. We think the most appropriate damages in
12 this case are zero because Apple simply doesn't infringe
13 these patents. We think the patents are invalid. We'll
14 talk quite a bit about that in closing arguments.

15 With that I'll turn it over to Ms. Hunsaker
16 and Dr. Ugone.

17 MS. HUNSAKER: Thank you.

18 Good morning, ladies and gentlemen.

19 Your Honor, may I approach with the witness
20 binders?

21 THE COURT: Please.

22 DIRECT EXAMINATION OF KEITH UGONE

23 CALLED ON BEHALF OF THE DEFENDANT

24 BY MS. HUNSAKER:

25 Q. Good morning, Dr. Ugone. Could you please

1 introduce yourself to the ladies and gentlemen of the
2 jury?

3 A. Sure. My name is Keith Raymond Ugone. Last name
4 is spelled U-G-O-N-E.

5 Q. And, Dr. Ugone, where do you live?

6 A. I actually live in Grand Saline, Texas. So, if
7 you've ever been to Trade Days in Canton, Grand Saline is
8 the next town over. So, just go up to Tyler, go 30 miles
9 west, and that's where I live.

10 Q. How long have you lived in Texas?

11 A. Since 1994, so, about 17 years now.

12 Q. Do you have any children?

13 A. I do. Son Number 1, Kyle, is a captain in the
14 United States Marine Corps; and Son Number 2, Casey,
15 lives with me and goes to Tyler Junior College.

16 Q. Dr. Ugone, what do you do for a living?

17 A. I'm an economist. Sometimes I describe myself as
18 a forensic economist and a damage quantifier. Now, those
19 are fancy terms; but we'll explain what those mean.

20 So, a forensic economist and damage
21 quantifier.

22 Q. So, what does a forensic economist and damages
23 quantifier do?

24 A. So, the easiest way to think about it is that
25 there's times that companies get into a dispute, much

1 like we have a dispute in the courtroom here. And
2 oftentimes someone such as myself, an economist, is
3 retained to try to figure out what happened or what would
4 have happened in the absence of the dispute. So, that's
5 sort of the forensic economics part of it.

6 And the damage quantification part of it is if
7 the trier of fact or if a jury determines that money is
8 owed to one of the companies, for a variety of reasons,
9 then I assist in that evaluation of how much money is
10 owed. So, that's what you mean by the "damage
11 quantification" phrase.

12 Q. Now, Dr. Ugone, did you assist in preparing some
13 slides as demonstratives to help illustrate your
14 testimony today?

15 A. I did.

16 Q. And before we get into the specific work that
17 you've done on this case, can you tell us a little bit
18 about your educational background?

19 A. Yes. So, I've got it up on the slide there.

20 I went to the University of Notre Dame, and I
21 got an undergraduate degree in economics from the
22 University of Notre Dame in 1977.

23 Then this next part seems like a contradiction
24 if you follow college football, but then I went to the
25 University of Southern California and got my master's

1 degree in economics in 1979.

2 And then I went to Arizona State University
3 and got my PhD in economics in 1983.

4 So, I'm not sure how I did it; but I went to
5 college for ten straight years and got those three
6 degrees.

7 Q. Thank you.

8 Let's briefly discuss your work history. What
9 did you do after you got your PhD?

10 A. Well, after I got my PhD, I taught at one of the
11 California State University system schools in Northridge,
12 California. That's just north of Los Angeles in the
13 San Fernando Valley. I taught there for a couple of
14 years.

15 Then I went into consulting with
16 PricewaterhouseCoopers, one of its legacy firms. There's
17 been some mergers. But you've heard of
18 PricewaterhouseCoopers because they count the Academy
19 Awards ballots. So, that's where you would have heard
20 from them. Now, I did other things for them; but that's
21 how you probably would have heard of them.

22 I was with PricewaterhouseCoopers for about
23 18 years; and at the very end of 2003, beginning of 2004,
24 I joined a company called the "Analysis Group." So, I've
25 been there about seven and a half years.

1 Q. Okay. So, I have to ask. Did you ever get to go
2 to the Academy Awards?

3 A. Actually, I was very fortunate when I was at
4 PricewaterhouseCoopers. I used to work on a number of
5 entertainment cases; so, I did get to go to the Academy
6 Awards once. This is dating me, but I think it was the
7 65th Academy Awards.

8 Q. Okay. But now you work for Analysis Group; is
9 that correct?

10 A. Yes.

11 Q. And what type of work is Analysis Group known for?

12 A. Well, Analysis Group does economic, financial, and
13 strategy consulting work for corporations, for the
14 government, for law firms. So, it's really in those
15 three areas.

16 Q. And you specialize in economics and
17 damages-related work; is that right?

18 A. That's correct. That's what I've been doing over
19 my career.

20 Q. Okay. So, is it fair to say, then, that most of
21 your work is in connection with valuations in relation to
22 disputes or litigation such as this?

23 A. Yes. I do economic analysis or valuation work or
24 damages-related work in what I call a dispute-type
25 setting, where companies are mad at each other for one

1 reason or another.

2 Q. And have you ever evaluated damages in a patent
3 case before?

4 A. Yes, I have, many times.

5 Q. And have you testified in court in patent cases
6 before?

7 A. Yes, I have.

8 Q. Have you testified here in Beaumont?

9 A. Yes. Yes, I've testified in Beaumont.

10 Q. Now, is the company that you work for being paid
11 for the work that you've done on this case?

12 A. Yes, they are.

13 Q. And what is the rate that the company is being
14 paid for this?

15 A. So, the hourly rate that Analysis Group charges
16 for my time is \$550 an hour.

17 Q. And is that compensation in any way dependent on
18 the opinions that you render in this case?

19 A. No, it is not.

20 Q. So, let's turn to the work that you did for this
21 case. First of all, why don't you tell the ladies and
22 gentlemen of the jury what you were asked to do.

23 A. Well, I was asked to really do two things: One,
24 if a determination is found that the patents are valid
25 and infringed -- so, it's only under those conditions

1 that my opinions come into play because if the patents
2 are not valid or not infringed, then what's accused of in
3 this case in terms of an infringement -- and obviously
4 I'm not the one to give legal advice. That's up for
5 others. But from a damages perspective, then there is no
6 damages if there is no infringement or the patents are
7 invalid. But obviously you need legal advice on that.
8 I'm not giving the legal advice. So, that's what this
9 first slide is saying.

10 But if we get over that hurdle, if the jury,
11 the trier of fact, were to determine that the patent is
12 infringed and is valid, I was asked to do two things. I
13 was asked to independently come up with my opinion as to
14 what the appropriate amount of damages would be under
15 those conditions. And the second thing I was asked to do
16 was to evaluate the work of Mr. Nawrocki, who you heard
17 testify last week, who gave his opinion as to what
18 claimed damages should be.

19 Q. Okay. So, Dr. Ugone, can you tell the ladies and
20 gentlemen of the jury what opinions you reached with
21 respect to damages in this case?

22 A. Yes. The opinion that I've reached is that -- and
23 we're going to talk about this in more detail. But if
24 the parties, Personal Audio and Apple, had gotten
25 together and negotiated a license for the patents that

1 are in dispute here, they would have negotiated a license
2 that would have given Apple certain rights, freedom to
3 operate, to use the claimed teachings of the
4 patents-in-suit, the two patents we've been talking
5 about; and that the payment that would have been agreed
6 upon for a license to those patents would have been no
7 more than \$5 million.

8 So, there's two critical parts to my opinion.
9 The first one is it's something called a "freedom to
10 operate license," and we'll talk about that in more
11 detail, what that means.

12 The second part is there would have been a
13 payment no greater than \$5 million.

14 Q. So, why don't you tell us what you mean when you
15 say, "freedom to operate."

16 A. Well, the easiest way to think about it is that
17 there are certain reasons why companies enter into
18 freedom-to-operate-type agreements. They might be
19 producing new products. They don't always have to want
20 to run back to the licensor and renegotiate; so, the
21 easy -- and they're undertaking -- as we've heard, Apple
22 at times likes to, in a sense, make a splash in the
23 marketplace. They don't tell people what the new
24 products are going to be; and then they introduce them
25 with a big marketing splash, those sort of things.

1 But the whole point is that sometimes a
2 company wants the freedom to, in a sense, take a
3 technology off the shelf and put it into various
4 products; and that's easiest to do when you have a
5 freedom to operate license rather than just specifying
6 what products the technology will be used in, especially
7 in cases where companies are changing their products
8 frequently, coming out with new models.

9 So, they want to be in a situation where they
10 can say, "Okay, we've licensed a technology. We now have
11 it on our shelf. And then when I start developing new
12 products, I can just kind of take that technology off the
13 shelf and put it into my product and legally so because I
14 have a freedom to operate license."

15 So, it just makes good business sense for
16 certain companies to enter into those sort of licenses.

17 Q. One of the things that Mr. Nawrocki testified
18 about was that a patent license could be considered
19 clearance to use technology. Does that relate to a
20 freedom to operate at all?

21 A. I think we used the same terms. I described it as
22 "freedom to operate." He used the term "clearance," but
23 I don't think we disagree on that concept.

24 Q. So, what products would a lump-sum freedom to
25 operate license apply to with respect to Apple?

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1 A. Well, it would apply to the accused products here.
2 We've talked about all of the iPods -- the classic, the
3 nano, the mini. But it would also apply to any other
4 product that Apple choses to use the technology in.
5 That's what it means by "freedom to operate." But
6 specifically here there's the accused products, the iPod
7 products -- classic, nano, and mini -- but it would also
8 apply to other products if Apple so chose to use other
9 products.

10 Q. What about with respect to royalties into the
11 future? How would a freedom to operate affect that?

12 A. Well --

13 Q. Actually, if I could rephrase that.

14 How would the lump-sum and the freedom to
15 operate license that you concluded the parties would have
16 reached -- how would that affect the future damages?

17 A. Well, the way this licensing arrangement would
18 work is sometimes you'll hear the term called a "lump-sum
19 license arrangement." And, so, when I was talking about
20 a royalty payment no greater than \$5 million, that can
21 take a number of different forms. But once the
22 \$5 million is paid, that, in this sort of license
23 agreement with the permission of the licensor, gives the
24 licensee the permission, because of this license
25 agreement, to use that technology in the products that

1 they choose to put the technology in.

2 But I guess here is the key: Once the
3 \$5 million is paid, it's like a fully paid-up license.
4 So, you don't have to continue to make payments after
5 that because in a sense you've bought the right -- not
6 bought the right. I shouldn't use that term. But you've
7 licensed the right to use the technology in a
8 freedom-to-operate way. So, there would not be ongoing
9 payments.

10 Q. And in the evidence that you've reviewed in
11 connection with this case, did you see anything that
12 indicated that Mr. Logan and the Logan Family Trust on
13 their behalf would be willing to negotiate such a
14 license?

15 A. Yes. I've seen situations -- and we'll get into
16 more detail here. But I've seen evidence in the record
17 that there were times that Mr. Logan, either through the
18 sale of his patents or advertising on his Web site, had a
19 willingness to accept what I'm calling a "lump-sum
20 payment." Now, the payment could take place in
21 installments; but the key is it is up to a fixed amount
22 that it does not go beyond.

23 Q. Thank you, Dr. Ugone.

24 Let's move on to some of the work you did and
25 the materials that you reviewed in coming to your

1 opinions in this case. So, could you briefly describe to
2 the jury the work that you did in order to form your
3 opinions in this case?

4 A. Well, I had an understanding of the facts in the
5 case. There were legal documents I had to review. And
6 then both parties -- it's called "produced" a substantial
7 amount of data and documents. And, so, I've made this
8 slide that shows some examples of the evidence that I
9 reviewed.

10 There was Personal Audio information, Personal
11 Audio documents, depositions, legal documents,
12 interrogatory responses, correspondence.

13 Then in the middle column there, there was
14 Apple information that I looked at, various documents
15 that had unit sales records, for example, for the iPods
16 we've been talking about, depositions, surveys; and you
17 can see everything that I looked at there.

18 And then there was other information as well.
19 So, I reviewed Mr. Nawrocki's report, Dr. Peterson's
20 report. There were some technical expert reports that
21 you've heard testify and obviously trial testimony as
22 well.

23 Q. Okay. So, it sounds like you reviewed a lot of
24 the same documents that Mr. Nawrocki reviewed; is that
25 right?

1 A. Yes. In a legal setting such as this, both
2 parties get the same information; so, Mr. Nawrocki and I
3 both reviewed the same information.

4 Q. Okay. Now, we've heard about the hypothetical
5 negotiation. And Mr. Nawrocki talked about doing a
6 *Georgia-Pacific* analysis in accordance with certain case
7 law. Did you also do that?

8 A. Yes. So, I did a *Georgia-Pacific* analysis as
9 well.

10 Q. And did you also consider the 15 *Georgia-Pacific*
11 factors that are discussed in connection with that case?

12 A. Yes, I did.

13 Q. And in addition, did you also consider what's
14 called the "hypothetical negotiation analysis" and the
15 concept of a willing licensor and a willing licensee?

16 A. Yes. And the jury may recall that was
17 *Georgia-Pacific* Factor Number 15; but yes, I did consider
18 it. It was called a "hypothetical negotiation."

19 Q. Okay. And tell us a little bit about what that
20 framework involves.

21 A. The easiest way to think about it is there was no
22 license agreement between Personal Audio and Apple.
23 Okay? But in order to evaluate damages, if the patent is
24 found to be infringed and if the patent is found to be
25 valid -- if those two conditions are met, you have to

1 take yourself back in time and say at the point in time
2 where a license would have been required and if the two
3 parties had gotten together to negotiate, what would they
4 have negotiated in terms of the payment associated with a
5 license agreement.

6 Now, that did not happen; so, that's why it's
7 called a "hypothetical negotiation." But that's the
8 framework. So, it's almost like saying the negotiation
9 didn't take place. There wasn't a license agreement.

10 But let's go back in time when the license
11 first would have been required to be had and what would
12 the parties have negotiated, what would have been the
13 considerations, what would have been the outcome of that
14 hypothetical negotiation.

15 Q. And again we heard Mr. Nawrocki talk about the
16 date of the hypothetical negotiation. What dates did you
17 consider in the hypothetical negotiation in your
18 analysis?

19 A. Well, I accepted the date that Mr. Nawrocki was
20 using. That was October, 2001; so, that was the date of
21 the hypothetical negotiation.

22 Q. And was there also a later date in relation to the
23 '178 patent that you considered?

24 A. Yes. So, that would have been March, 2009.

25 Q. Okay. Now, did you make the same assumptions in

1 your analysis that Mr. Nawrocki made, that the patents
2 were valid and infringed in this case?

3 A. Yes. And, in fact, that's a -- it's almost an
4 assumption I'm required to make because as I've been
5 saying, if the patents aren't assumed to be infringed and
6 valid, then you don't get to the damages question. So,
7 I'm required to make that assumption in my analysis.

8 Q. Okay. And, so, you're not here today saying that
9 you agree with that, that the patents are, in fact,
10 infringed or that they are valid. That's an assumption
11 that you're required to make; is that right?

12 A. That's correct. That's not for me to decide those
13 issues.

14 Q. Okay. Now, what other assumptions did you make
15 concerning the hypothetical negotiation?

16 A. Well, we have them up on the board there. But the
17 easiest way to think about it is this is a negotiation
18 that's taking place -- albeit a hypothetical
19 negotiation -- but you have two parties. You have
20 actually the Logan Family Trust on one side, and
21 Mr. Logan would have been negotiating on behalf of the
22 Logan Family Trust on one side of the bargaining table or
23 negotiating table as we see there. On the other side
24 would have been Apple.

25 But it's important to know that both parties

1 are willing to negotiate. That's an underlying
2 assumption, that they are willing to negotiate; and here
3 is an important key, that they have sort of reasonable
4 knowledge. They go in smart. They're prudent
5 businesspeople. Right? So, they know the relevant facts
6 and relevant considerations; and they go into the
7 negotiations with those relevant considerations in mind,
8 including reasonable expectations as to future events.

9 So, think about a prudent businessperson going
10 into a negotiation; and that's the way to think about the
11 considerations that they would be discussing, that they
12 would have in their mind.

13 And both sides would act reasonably and
14 voluntarily to negotiate to try to reach an agreement.
15 So, those are really the underlying assumptions for the
16 hypothetical negotiation.

17 Q. So, in the hypothetical negotiation can one side
18 or the other dictate exactly what's going to happen?

19 A. Well, it has to be an outcome that both sides will
20 agree to. Since it's a negotiation and it's a -- there
21 is a willingness to negotiate, you can't just have one
22 side dictating what the outcome is. It has to be an
23 outcome that both sides would agree to.

24 Q. So, Dr. Ugone, we've said -- you've testified that
25 the hypothetical negotiation is hypothetical because it

1 never took place. But in the context of your analysis,
2 who are the parties at the negotiating table, for
3 starters?

4 A. Right. So, it would be the Logan Family Trust;
5 and Mr. Logan would be there negotiating for Logan Family
6 Trust. That would be on one side of the table. And on
7 the other side of the table would be Apple or an Apple
8 representative.

9 Q. Okay. So, in the context of the hypothetical
10 negotiation, do real-world facts matter?

11 A. Yes, because what we're trying to do is, in a
12 sense, simulate the negotiations that would be taking
13 place. And, so, you need to know the real-world
14 considerations that both parties would be negotiating
15 over when they're trying to determine the appropriate
16 license payment to make for a license to the
17 patents-in-suit. So, yes, you take into account
18 real-world considerations; and those are the topics of
19 discussion at the hypothetical negotiation.

20 Q. Okay. So, let's talk about the hypothetical
21 negotiation in 2001. Could you summarize for the jury
22 the real-world facts that you considered in your opinion
23 in this case?

24 A. Yes. And there's a lot of bullet points up there;
25 so, we're going to talk about six of them. And some of

1 these, what I'm going to do is -- there's been certain
2 testimony, and then I'm going to explain how we put all
3 that together to determine what the appropriate royalty
4 payment would be if there was a license that had been
5 agreed to at the hypothetical negotiation.

6 So, what are the real-world factors that
7 matter? What are the considerations? What would people
8 be talking about at this negotiating table? The
9 negotiators would be talking about Apple's innovations
10 and contributions to the accused products. They would be
11 talking about some of the limited additional benefits of
12 the patents-in-suit; so, that would be a topic of
13 consideration.

14 There would be a situation where there's, in
15 this case, two Apple comparable licensing agreements; so,
16 that's almost like what -- Apple would be using that as a
17 proxy. It's kind of like when you are trying to figure
18 out how much you sell your house for. You see how much
19 other houses are selling for perhaps in the neighborhood.
20 It's that concept. So, there's comparable licenses.

21 There's the fact that Mr. Logan was not able
22 to commercialize a product that contained the claimed
23 teachings of the patents-in-suit. This was a very
24 interesting environment, the 2001 environment. We'll get
25 into a little bit of detail; but you can remember there

1 was economic uncertainty, there was recession, there was
2 9-11. There was also certain product risks that we've
3 heard about, introducing a new product to the marketplace
4 during that period of time.

5 And then there's other value indicators of the
6 patents-in-suit which include -- and I think you've heard
7 of this -- the jury has heard this -- about Mr. Logan's
8 offer to sell the patent-in-suit for \$5 million to
9 Concert Technologies.

10 So, what I'm trying to do is just lay out here
11 and get you in the mind-set of thinking about what would
12 be the topics of discussion, what are the negotiating
13 points; and that's what I've listed here on the screen.

14 Q. Thank you, Dr. Ugone.

15 So, let's turn to each of these real-world
16 facts that you considered. And first let's focus on
17 Apple's contributions to the iPod products. So, can you
18 explain your understanding of the innovative features of
19 the original iPod?

20 A. Right. And I kind of want to put this in context
21 for you. So, I'm looking at this from an economic point
22 of view or what are the drivers of sales. If the iPod
23 was going to be a successful product and have a lot of
24 unit sales, for example, what are the factors that
25 contribute to those sales?

1 And we've heard from -- and seen from the
2 Dulcimer document and the P68 document and from testimony
3 that one of the major sort of top-of-the-mind themes was
4 the thousand songs in your pocket. That was so people
5 could take their entire music library, put it in an iPod,
6 carry it in their pocket. That was a major concept that
7 Apple wanted with the iPod.

8 And then as we go to the -- I call them
9 "quadrants." As we go into the four quadrants, in the
10 upper left, you know, very, very easy-to-use interface to
11 scroll through all of your songs on your iPod. That was
12 important.

13 The long battery life. We've heard testimony
14 that certain other products that were out on the market
15 when they were going to have a large number of songs or
16 when there was hard drives involved, that the battery
17 life was actually relatively short. So, Apple wanted a
18 product that had a long battery life.

19 There was a fast connectivity. We've heard
20 some testimony about the FireWire concept where you could
21 transfer your songs onto the iPod relatively quickly.

22 And then, finally, the innovative design
23 where, you know, the first iPod that was made, the
24 classic, I think was described as being about the size of
25 a deck of cards, which you can see.

1 So, the whole point was Apple wanted to come
2 out with a new product, an innovative product. Their
3 ideas which they were hoping would drive sales of the
4 iPod were the considerations that I've put on the screen
5 up there -- thousand songs, easy-to-use interfaces, long
6 battery life, fast connectivity, and the innovative
7 design.

8 Q. Thank you.

9 So, these were some of the features that were
10 marketed as distinguishing the iPod from other players
11 that were on the market at the time; is that correct?

12 A. That's correct.

13 Q. Now, you mentioned the Dulcimer document that was
14 Defendant's Exhibit 42. Do you recall that?

15 A. Yes, I do.

16 Q. And what are some of the things you found relevant
17 from that document?

18 A. Well, that was, in a sense, Apple's vision for the
19 product. The code name was "Dulcimer." Sometimes we saw
20 the documents referred to as "P68." But if you just read
21 the first or second sentence there, everything that I
22 just talked about in that last slide, you can see that
23 that was their vision for the product. So, "a portable
24 audio jukebox with industry-leading user interface and
25 industrial design. It differentiates itself from the

1 competition with its perfect blend of high-capacity
2 storage, small form factor, minimal weight, long battery
3 life, and fast and convenient connectivity."

4 So, that was in the original Dulcimer
5 documents, the vision for the iPod product.

6 Q. Now, we've heard some testimony; but did Apple
7 have any patents on some of their innovations that they
8 incorporated into the iPod?

9 A. Yes. So, they had the innovative concepts that
10 we've been talking about; but, in fact, they also had,
11 for example, a patent on the scroll device. So, as we
12 see here, United States patent entitled "Method and
13 Apparatus for Accelerated Scrolling." That was a
14 patented technology that Apple was bringing to the table.
15 So, that way you could search quickly through your songs
16 using a scroll wheel.

17 Q. And we're not going to talk about all of them, but
18 did Apple also have other patents incorporating features
19 of the iPod?

20 A. Yes. My understanding is yes, they had other
21 patents as well.

22 Q. Now, what is the economic importance of the
23 differentiating features of the original iPod at the time
24 of the hypothetical negotiation?

25 A. The -- I'm sorry. What is the economic

1 significance of what I'm saying? Is that the question?

2 Q. Yes.

3 A. So, the economic significance is we're thinking
4 about what would be the considerations and the
5 negotiating points at the hypothetical negotiation. One
6 consideration is that Apple would be saying, "Look what
7 we're bringing to the table." That's what Apple would be
8 saying, the Apple representative. Apple would be saying,
9 "We're bringing this innovative design, this concept of a
10 thousand songs in your pocket, this new device, you know,
11 size of a deck of cards, long battery life."

12 Apple would be saying, "If this thing is going
13 to be a success, it's because of those contributions that
14 we're bringing to the table; and that will drive the unit
15 sales."

16 If you think about it, that would be Apple's
17 position at the hypothetical negotiation.

18 THE COURT: All right. Counsel, we're going
19 to take a break.

20 Ladies and gentlemen, I'll ask you to be back
21 at 11:00.

22 (The jury exits the courtroom, 10:47 a.m.)

23 THE COURT: Okay. To avoid problems later on,
24 the *Georgia-Pacific* factor talks about the reasonably
25 prudent licensor and the reasonably prudent licensee,

1 now, such as the plaintiffs; but it is not the construct
2 of the plaintiff and the defendant themselves at the
3 table.

4 Now, that's not to say other factors
5 doesn't -- it's not as clear as the typical condemnation
6 analysis. I will grant that. But because this is also
7 going into future damages, I would appreciate it if
8 counsel and the witnesses would be very careful about
9 that because it's not -- Factor 15 is not them at the
10 table; it's like them. And really it's that reasonably
11 prudent person who was there.

12 Now, earlier factors may get into that; but
13 that's what the instructions are going to wind up being
14 and that winds up being the analysis on future damages
15 and there is no point in messing up the record too much
16 early on.

17 All right. We'll be in recess, then, until
18 11:00.

19 (Recess, 10:48 a.m. to 10:53 a.m.)

20 (Open court, all parties present, jury
21 present.)

22 THE COURT: Ms. Hunsaker, please continue.

23 MS. HUNSAKER: Thank you.

24 BY MS. HUNSAKER:

25 Q. Dr. Ugone, did Apple achieve high sales with the

1 iPod product line immediately upon its introduction?

2 A. Actually sales started out relatively slowly. In
3 the first year of introduction of the product, I think
4 they sold like 200,000 units; and then in the second
5 year, it was like 600,000 units. So, it actually started
6 out relatively slowly compared to the sales that we see
7 today.

8 Q. And why is this important in evaluating reasonable
9 royalty?

10 A. Well, the easiest way to think about it is that
11 companies have to make continuing contributions to make a
12 product successful. So, there's going to be R&D to
13 improve the product over time. There's going to be
14 marketing efforts. There's going to be, you know, all of
15 the things that are required in order to make the product
16 successful.

17 So, the reason why that's important for the
18 hypothetical negotiation -- so, if at the hypothetical
19 negotiation you have a patent holder and you have a
20 potential licensee -- so that general framework -- when
21 those two sets of people are negotiating, one thing
22 that's going to take -- they're going to take into
23 account is on a going-forward basis what are some of the
24 investments that might have to take place.

25 So, you can talk about the marketing, the R&D,

1 and the advertising and so forth.

2 Q. Now, you mentioned Apple's R&D, or research and
3 development. And can you give some examples of those
4 research and development efforts that contributed to the
5 commercial successful iPod?

6 A. Well, especially with a technology-type product,
7 you're going to learn things once you introduce the
8 product into the marketplace. And I think we've heard
9 testimony about the various generations of the iPod
10 classic that came out, the various generations of the
11 iPod mini, the various generations of the iPod nano.

12 But the point is in each of those subsequent
13 generations, over time, Apple was introducing new
14 features. They were improving the product, and they had
15 to undertake R&D in order to develop those products.
16 And, so, for example, there was the, you know,
17 ultra-portable design, the really small iPod, when we get
18 to the mini and the nano.

19 There was the fact that over time they started
20 adding the photos and video capabilities that were not in
21 the original iPods. The storage, you know, went from
22 1,000 songs to now 40,000 songs. And they also had the
23 concept of the *iTunes* music store. So, those are all
24 things that companies, to try to commercialize and make a
25 successful product, are going to have to make investments

1 in the product. And, so, when you have prudent
2 negotiators at the hypothetical negotiation, that would
3 be a consideration.

4 Q. Now, you've talked about research and development.
5 What about marketing?

6 A. Marketing. Products don't necessarily just sell
7 themselves. An important part of marketing is, A,
8 getting the message out, what's the message about the
9 product, what's the brand name about the product. But
10 also marketing and advertising provides information. It
11 provides a service to the consumer. Unfortunately that
12 costs money but Apple had a marketing strategy that drove
13 iPod sales and that included the development of retail
14 stores that they had developed and also some original
15 advertising. You see the sort of silhouette picture on
16 the right-hand side. That made a big splash when Apple
17 started that advertising in the marketplace and very much
18 helped sales.

19 But the point again is that those are all the
20 types of things that on a going-forward basis -- but if
21 you take yourself back in time, you know, on a
22 going-forward basis those are the types of investments
23 that companies will have to make, whether it's R&D or in
24 this case whether it's the advertising. Those are
25 additional. On the one side of the table the prudent

1 negotiator on one side of the table could be saying,
2 "Those are the kinds of investments I have to make in the
3 marketplace."

4 Q. And, so, why is that important when evaluating
5 reasonable royalty?

6 A. Well, to the negotiators at the table -- and both
7 sides would recognize this -- this is the contribution of
8 in this case sort of the -- you know, the company that's
9 providing the product to the marketplace. So, in this
10 case it would be Apple is providing a product to the
11 marketplace and they're going to have to make these
12 contributions over time.

13 And that's part of the reasonable expectations
14 on a going-forward basis, that you would expect those
15 sort of investments to take place if there is going to be
16 a commercial product and if you're ever going to get
17 those sales to increase to a substantial level.

18 Q. Now, what has been the trend in the average iPod
19 selling price over time?

20 A. Well, this is another interesting dynamic that was
21 going on. I've got some bar charts here. There is the
22 left-hand side and right-hand side.

23 The left-hand side, there's two bars that
24 shows the price of the iPod classic. The right-hand side
25 shows the price of the iPod nano.

1 But what I wanted to show here is -- and I'm
2 going to bring in a fundamental economic concept. A
3 fundamental economic concept is the lower the price, the
4 more people will buy. And, so, what Apple was doing here
5 is that they were lowering the price of the classic from
6 \$372 to \$219. That was a 40 percent decrease in the
7 price of the iPod classic.

8 And when prices are lower, holding everything
9 else constant, people buy more of the good. So, that was
10 another driver of the iPod sales.

11 You can also look at the nano and the whole
12 idea of the nano -- and they also had this with the
13 mini -- was that they knew that the classic was a
14 relatively more expensive product and, so, they were
15 introducing a less expensive product into the marketplace
16 and even that price decreased over time. But again,
17 that's another driver of how much people buy.

18 Q. And, so, what are the implications of everything
19 that we've been discussing about Apple's contributions
20 for the reasonable royalty payment that would have been
21 agreed upon at the time of the hypothetical negotiation?

22 A. So, again, we have prudent negotiators at the
23 hypothetical negotiation; and these could just be general
24 negotiators; but we're looking at the considerations they
25 would take into account. One consideration they would

1 take into account would be the contributions from, in
2 this case, Apple to the success of the product; and that
3 would be things like R&D, marketing, their pricing
4 strategies. And the ability of those factors, quite
5 independent of the claimed teachings in the
6 patent-in-suit, these factors I'm talking about as a
7 driver of sales.

8 Q. During Mr. Nawrocki's testimony, he said he took
9 into account Apple's contributions. Do you agree with
10 that statement?

11 A. No, I do not agree with that statement.

12 Q. Why not?

13 A. Well, here is the easiest way to think about it.
14 He showed a chart and he did a bunch of math and when it
15 was all done, he got to this 90-cents figure and he
16 said -- and you-all remember Dr. -- Mr. Nawrocki's
17 testimony; so, I don't want to speak for him. But what
18 he said was "I'm going to take the 90 cents and multiply
19 that by all the iPod units."

20 But what that misses is what I call the
21 "quantity effect." In other words, he's taking that
22 90 cents; and he's multiplying it by all the units. But
23 why are the unit sales so high? And one reason why the
24 unit sales are so high are the contributions that Apple
25 was making, the new generation of products, the new R&D

1 that they were undertaking, the advertising, the lowering
2 of the price. All of those cause sales to go up from
3 that very low level in the early years to a much higher
4 level in -- you know, after three or four years. But
5 Mr. Nawrocki was taking the 90 cents times all the units
6 when that huge ramp-up was coming from the actual Apple
7 contributions.

8 Q. Let's take a look at some of those unit numbers.
9 Can you explain what the unit sales in relation to
10 Apple's contributions are reflected in this slide?

11 A. So, what I've done here is I've drawn the unit
12 sales of the accused products. And, so, when we're
13 talking about unit sales, it's how many of these devices,
14 of the iPods; and that includes the classic, the mini,
15 and the nano.

16 And it's over time -- so, those are the unit
17 sales that are being plotted. But what I was also
18 wanting to show in this chart is there were things that
19 Apple was doing that drove those sales up. There was the
20 *iTunes* for *Windows*, that they made the iPod more easily
21 compatible with *Windows* computers rather than just Mac
22 computers. The mini was introduced. The nano was
23 introduced. And each of those new generation of products
24 caused a ramping up in sales. The point is those are
25 independent of, or not dependent on, the claimed

1 teachings of the patents-in-suit.

2 So, a negotiator at the negotiating table
3 would say, "Look, the reason why sales are going to go up
4 is because of these investments that a company such as
5 Apple is going to make."

6 Q. So, we've talked about Apple's contributions.
7 Let's shift gears a little bit and talk about the added
8 benefit of the patents-in-suit. So, have you seen any
9 evidence that indicates the claimed benefits of the
10 patents-in-suit are limited as compared to what already
11 existed?

12 A. Yes. And I've seen testimony and evidence as to
13 what the inventors did not invent, for example; And I
14 think there's been some testimony on that.

15 Q. And how do you know, for example, that Personal
16 Audio did not invent "skip" buttons as you have in the
17 left-hand upper quadrant of this slide?

18 A. Well, I know this from a couple of different
19 places. I think there was testimony on it; but also in
20 the file history of the patent, the patent examiner
21 commented that "skip" buttons had been around for a long
22 time. We've seen them on VCR devices or CD
23 remote-control devices. So, that's how we know that.

24 Q. And how about, for example, downloading files from
25 the Internet? Did Personal Audio invent that or claim to

1 have invented that?

2 A. My understanding is that that is not a part of the
3 claimed invention as well.

4 Q. Now, how about the concept of playlists? We've
5 heard a lot about playlists. Is that something that
6 Personal Audio claims to have invented or that you would
7 have considered in this hypothetical negotiation?

8 A. Well, there was deposition testimony I'm aware of
9 where they admitted to not having invented playlists.

10 Q. And how about trial testimony from Mr. Call? Did
11 you consider that?

12 A. Yes, as well; and, so, I have a -- part of his
13 transcript up here.

14 Q. Okay. And what's reflected in this transcript
15 that you considered?

16 A. Well, he was asked the question "Why didn't you
17 use the term 'playlist'"; and there are some highlighted
18 sentences.

19 "Well, playlist is a more generic term and not
20 all playlists control things."

21 Skipping down just a bit, "You might have a
22 playlist that does control things; but that's too generic
23 for what I wanted. It doesn't convey what I wanted.
24 Somebody might get confused and think that that means any
25 old playlist, and that's not what I meant."

1 Q. Now, did you consider any testimony from any of
2 the other inventors in this case?

3 A. Yes. I think we saw some video deposition tapes,
4 as well, from Mr. Goessling.

5 Q. Okay. And the slide that's on the screen, does
6 this reflect Mr. Goessling's testimony regarding
7 playlists?

8 A. Yes. So, again, this is saying that the inventors
9 did not invent playlists or easy navigation. "So, would
10 you agree that there were software players in the
11 marketplace before you got involved with Mr. Logan on the
12 player project that allowed you to create playlists of
13 audio files that you brought into your PC from somewhere
14 else and then skipped forward to the next wav file?"

15 He says, "It looks that way."

16 "So, you guys didn't invent that notion,
17 right?"

18 "I don't think we did," was his testimony.

19 Q. So, from a damages perspective, what's the
20 economic significance of these things when evaluating
21 reasonable royalty?

22 A. So, whoever is at the hypothetical negotiation
23 trying to determine the value of the license or the
24 payment would be taking into account what's the
25 incremental value. So, playlists were already out there.

1 The concept of downloading files was already out there.
2 So, that would be a topic of discussion relative to not
3 sort of confounding or confusing the benefits by bringing
4 in things that were not part of the invention.

5 Q. So, you mentioned "incremental" benefits. Besides
6 the accused playlist features that have been discussed in
7 this case, are there other ways you're aware of for
8 accessing music on the iPod?

9 A. Yes. And I have a slide here where I've put some
10 of those other what I'm calling "unaccused ways of
11 accessing music."

12 So, there's the claimed invention, which
13 everybody has heard about; but there's also "on-the-go
14 playlists." There's cataloging your music by artists and
15 by albums or by songs.

16 Q. Dr. Ugone, let me interrupt you for a second.
17 What are on-the-go playlists?

18 A. On-the-go playlists -- think of it this way: It's
19 creating a playlist on the iPod as opposed to creating a
20 playlist, say, on your computer and then downloading the
21 playlist to the iPod.

22 So, my understanding is that creation of the
23 playlist occurs in a different spot. It occurs when you
24 have your iPod as opposed to on the computer.

25 Q. Okay. And, so, what is the economic significance

1 of having other ways to access music on the iPod?

2 A. So, the easiest way to think about it is that one
3 of the messages of the iPod was to have easy-to-use
4 interfaces. You can see other songs. You can scroll
5 through, and there's just a lot of different ways that
6 you can play your music. That's the point, that there's
7 options.

8 Q. Okay. Dr. Ugone, let's turn to the next
9 real-world fact. Does Apple ever license patents from
10 third parties?

11 A. Yes, they do.

12 Q. And did you identify any Apple license agreements
13 that you believed were comparable to the license that
14 would be negotiated in the hypothetical negotiation?

15 A. Well, there were certain Apple license agreements
16 that became available; and I think the best way I would
17 phrase it is that obviously there's technical sides of
18 these agreements and I'm an economist. I look at dollars
19 and cents. I'm not the technical person. But I had
20 discussions with Dr. Wicker, and he told me about the
21 comparability of the technical side of these agreements.

22 Q. So, are we going to look at two comparable license
23 agreements in the next part of your testimony?

24 A. Yes. That's correct.

25 Q. Now, before we do that, why would you look at

1 comparable license agreements in determining the
2 appropriate amount of a royalty in this case?

3 A. Well, the easiest way to think about it is
4 negotiators are going to try to come up with indicators
5 of value. They're going to look at the totality of the
6 information. They're going to try to triangulate to what
7 this license agreement -- the amount the payment should
8 be. And one way to do that is to say, "Well, are there
9 any comparable situations out there where a license
10 agreement has been entered into, and what was the amount
11 of the license agreement?" So, that's an important data
12 point, in combination with all of the other data points.
13 So, that's why you look at this.

14 And I gave you a little example previously
15 that, you know, if you were going to sell your house, you
16 would look at other similarly-situated houses, what are
17 they selling for and will those other houses give you
18 guidance as to what you should sell your house for.

19 Here we're not talking about selling the
20 patents. We're talking about a license agreement, but
21 the concept is similar.

22 Q. What was the first agreement that Dr. Wicker
23 identified as being comparable to the patents and license
24 at issue in this case?

25 A. Well, it was an agreement that Apple had entered

1 into with a company called "E-Data." And it was in mid
2 2004 and it had one U.S. patent and four what's called
3 "foreign counterparts"; but those are kind of similar
4 patents but just in a different country, is maybe a way
5 to explain that. And, so, that was a license agreement
6 that Dr. Wicker had identified as comparable.

7 Q. And with respect to your earlier testimony that a
8 license agreement in this case resulting from the
9 hypothetical negotiation in this case would apply to all
10 Apple products, did anything in the E-Data agreement
11 suggest to you comparable terms that Apple had previously
12 negotiated?

13 A. Yes. It says it defines an Apple product -- it
14 means "any product, hardware service, or software that is
15 or was made, used, sold, offered for sale, leased,
16 licensed, imported or otherwise disposed of by Apple or
17 an Apple subsidiary at any time."

18 So, that's just some fancy language for what I
19 was saying previously about a freedom to operate.

20 Now, there are a few more little complexities
21 on this license agreement that we'll get into; but that
22 generally was the case, that this was a
23 freedom-to-operate license.

24 MS. HUNSAKER: Mr. Barnes, could we pull up
25 Defendant's Exhibit 282A, please?

1 BY MS. HUNSAKER:

2 Q. And looking up there at the first paragraph, is
3 this the E-Data license agreement that you just referred
4 to?

5 A. Yes.

6 Q. Okay. And going down to paragraph 1.1, you see
7 that? Is that the definition of "Apple product" that you
8 just testified about?

9 A. Yes. That's correct.

10 Q. Okay. And if we could turn to the next page of
11 this agreement, going under paragraph 2.1 talking about
12 the license and release, do you see that?

13 A. Yes, I do.

14 Q. And does this paragraph, in fact, describe
15 licensing all of those accused -- excuse me -- the Apple
16 products that you referred to in the previous part of
17 your testimony?

18 A. Yes. So, this would be another way to phrase what
19 I've been talking about, yes.

20 Q. Okay.

21 MS. HUNSAKER: And then if we could go on and
22 look at page 3 of this agreement under "consideration."

23 BY MS. HUNSAKER:

24 Q. First of all, looking at paragraph 3.1 and the
25 beginning of 3.2, what does this tell us about the

1 compensation or the royalty payment that Apple would make
2 in connection with the E-Data agreement?

3 A. On the slide you saw previously, it said a maximum
4 payment of \$500,000; and then I said there's a few other
5 little complexities. We're now going to talk about those
6 complexities.

7 The initial payment is \$250,000. So, that's
8 what paragraph 3.1 is telling us.

9 Q. Okay. And how about the first sentence of
10 paragraph 3.2?

11 A. It says, "In addition to the payment of
12 Section 3.1, on or before April 15, 2005, Apple will pay
13 to E-Data an additional amount, if any, up to a maximum
14 additional payment of 250,000 U.S. dollars." And then it
15 has "\$250,000" in parentheses.

16 Q. Okay. Thank you, Dr. Ugone. Now let's look at
17 paragraph 3.3 of the same agreement. Does this reflect
18 anything about your testimony concerning the maximum
19 amount of payment under the E-Data agreement?

20 A. Yes. And, I mean, not necessarily all license
21 agreements are like this; so, don't get the wrong idea on
22 that. But in this comparable licensing situation, Apple
23 and E-Data entered into an agreement where there was a,
24 in a sense, maximum payment that would be paid for the
25 use of the claimed teachings of the patent.

1 So, there was the initial 250,000-dollar
2 payment. There might be some additional payments. But
3 under no conditions would the payments go above the
4 \$500,000 which is shown in 3.3.

5 Q. Thank you, Dr. Ugone.

6 So, what was the second agreement that
7 Dr. Wicker identified as being comparable to the
8 patents-in-suit?

9 A. So, this was an agreement between Apple and a
10 company called "Digeo." And this agreement was entered
11 into in early 2006. It was a royalty payment of
12 1,750,000, which I may have to explain a little bit; and
13 it covered three U.S. patents and a patent application
14 and a foreign patent.

15 Q. So, Dr. Ugone, I skipped one thing in relation to
16 the E-Data patent; so, let me just go back to that for a
17 second.

18 What was the -- to the best of your
19 understanding, what was the technology that was covered
20 by the license in the E-Data agreement?

21 A. Well, my understanding is based on my discussions
22 with Dr. Wicker; but it dealt with organizing and
23 downloading information from a central location.

24 Q. Okay. Thank you.

25 So, moving on to the Digeo agreement, could

1 you describe this agreement for us?

2 A. Well, we've got the effective date of 2006, the
3 royalty payment of 1,750,000. It covers three
4 U.S. patents. And it also defines the licensed product
5 there in paragraph 1.1, which "means any Apple-branded or
6 Apple affiliate-branded (including co-branded) product,
7 service, device, system, hardware, software, or other
8 offering." I'll stop there. But the concept is this
9 freedom-to-operate concept again that will cover Apple's
10 products.

11 Now, there's a few more complexities that I'm
12 sure we'll get into; but that's the concept.

13 Q. Now, as to my last question on E-Data, to the best
14 of your understanding, what was the general area of
15 technology covered by this license?

16 A. And my understanding from Dr. Wicker is it is very
17 similar technology in terms of organizing and downloading
18 information from a central location.

19 MS. HUNSAKER: Mr. Barnes, could we pull up
20 Defendant's Exhibit 278, please?

21 BY MS. HUNSAKER:

22 Q. So, on the screen is DX 278. Is this the license
23 agreement between Apple and Digeo?

24 A. Yes. You can see the company names and also the
25 date in the upper right-hand corner.

1 Q. Now, if we look down to paragraph 1.1 under
2 "definitions," you talked before about "Apple products."
3 Does this describe whether or not those products are
4 covered by the Digeo license?

5 A. It does. And there's "licensed product," which
6 you can see right at the beginning of paragraph 1.1.

7 And then if you go down, fifth line down, on
8 the far left it says "excluded product" -- I'm sorry.
9 You've got to go back to the other line. It says
10 "provisionally excluded product." But there's really two
11 different sets of products; there's the licensed products
12 and provisionally excluded products.

13 Q. Okay. And with respect to provisionally excluded
14 products, those are described in paragraph 1.4; is that
15 correct?

16 A. That's correct.

17 Q. Now, if we look under -- on the third page of this
18 agreement under "consideration," does that describe the
19 payments that Apple would have been agreeing to pay under
20 this agreement?

21 A. Yes.

22 You can see in paragraph 3.1, which is a
23 payment that relates to the licensed products, and then
24 for an additional payment of a million dollars that will
25 cover the provisionally excluded products. So, it's the

1 combination of the two which got to the 1,750,000 that
2 would cover all of Apple's products.

3 Q. And since that's a little bit confusing, why don't
4 we bring up paragraph 2.7 that describes the
5 provisionally excluded products.

6 MS. HUNSAKER: And if you could highlight the
7 first sentence of that.

8 BY MS. HUNSAKER:

9 Q. Does this describe what you were just talking
10 about?

11 A. Yes. So, in a sense, Apple is getting a little
12 bit of an option here; and it says, "At any time during
13 the existence of this agreement, and at Apple's sole
14 discretion, Apple may provide Digeo with written notice
15 that Apple wants to extend its license to include
16 provisionally excluded products."

17 Q. Okay.

18 MS. HUNSAKER: So, if you could, then, bring
19 back up the consideration regarding payments just so we
20 can bring those two things together.

21 A. So, if Apple does not want what's called these
22 "provisionally excluded products" to be licensed products
23 for them, they pay the \$750,000. But if they want more
24 products covered, it's an additional million dollars.

25 But at that point that's, in a sense, one aggregate

1 payment that's made that will cover all of the Apple
2 products.

3 BY MS. HUNSAKER:

4 Q. And is that reflected in paragraph 3.3?

5 A. Yes. "The payments of Section 3.1 and, if
6 applicable, Section 3.2 shall be the total compensation
7 for Digeo for the rights granted in this agreement."

8 Q. Okay. Thank you, Dr. Ugone.

9 So, now, are there similarities between these
10 two comparable license agreements that Apple entered into
11 and the agreement that in your opinion would have been
12 entered in this case?

13 A. Well, there are similarities. We heard -- and I
14 understood from Dr. Wicker that these were
15 technologically comparable license agreements. We saw
16 that there was a small number of patents associated with
17 the agreements. And if you look at these two agreements
18 that we talked about, they had some commonalities.

19 On the left-hand side there was either a
20 lump-sum amount or a capped payment. So, in other words,
21 there wasn't ongoing, continuing payments in these
22 agreements. There was either a lump-sum or a capped
23 payment; and then that was, in a sense, a fully paid-up
24 license.

25 They covered all Apple products, and they were

1 basically freedom-to-operate licenses. So, that's what
2 were in these two licenses.

3 Q. So, now, Dr. Ugone, generally speaking, do other
4 kinds of license agreements exist besides a lump-sum and
5 freedom to operate?

6 A. Yes. And that's why I was saying that's what was
7 in these two type agreements because I don't want to give
8 the impression that that's the only type of agreements
9 that companies enter into. There's many different forms
10 that a license agreement can have.

11 There's something called a "running royalty
12 rate." A running royalty rate could be a per-unit amount
13 that you pay for each unit that's produced and sold; or
14 it could be a percentage of revenue, that you pay a
15 certain percent on the revenues associated with the
16 product. Those are called "running royalty rates."

17 There could be lump-sum payment agreements or
18 close cousins that have either lump-sum amounts or capped
19 amounts such that the aggregate amount that's paid
20 doesn't exceed a certain level. That's at the other end
21 of the spectrum.

22 And then in between you can have combinations
23 of the two. So, that's kind of a spectrum of the
24 different license agreements you can enter into. These
25 two were lump-sum or capped payments as opposed to

1 running royalty rate payments.

2 Q. Okay. And, so, what are some of the
3 considerations that you considered in determining that
4 the two particular Apple license agreements that we
5 looked at were comparable to the hypothetical negotiation
6 here?

7 A. Well, think about the business situation we're in.
8 So, this is where you get some of the economic and
9 business comparability. But if you have negotiators
10 negotiating a license to the patent-in-suit, they would
11 know about the need for -- you know, we've got, in a
12 sense, a high-tech product. There's going to be changes
13 over time. There's many, many different features; and
14 it's going to be a lot of different contributions that
15 lead to the sale of these products over time. And
16 there's not this nexus between or connection between the
17 claimed invention and driving up sales much like we saw
18 in that one chart. All of those would be important
19 considerations, and those are some of the considerations
20 that lead to a lump-sum agreement because the parties
21 would know that -- both parties would know that the
22 reasonable outcome would not lead to a situation where
23 there is an overpayment for the license.

24 So, for example, if you start paying a certain
25 amount per unit, you can get up to a very, very large

1 amount when sales start increasing; but that's the
2 contribution of one of the sides versus the other side.
3 So, a lump-sum or fixed aggregate amount prevents that
4 situation from occurring.

5 Q. And would it matter whether it was a license
6 agreement for a bare patent license, for example?

7 A. Well, think of it this way. Would the bare patent
8 license -- and what do we mean by that? That's just a
9 license to the claimed teachings, but there is no
10 know-how that's communicated with that license. There is
11 no technology. They are not giving you source code; so,
12 it's just a bare patent license. So, that's an important
13 consideration as well.

14 Q. So, let's shift gears a little bit and turn to the
15 next real-world fact that was on your earliest list. Can
16 you tell the jury about the next factor you analyzed?
17 And in particular I'm talking about Mr. Logan's efforts
18 to commercialize the technology that underlies the
19 patents in this case.

20 A. Yeah. And we don't need to take too much time
21 with this. We've seen the evidence that's been
22 presented, is that Mr. Logan and his company attempted to
23 commercialize a product that contained the teachings of
24 the patent-in-suit and he wasn't successful and he
25 ultimately had to give up on those efforts. And at the

1 hypothetical negotiation, the negotiating parties would
2 know that information.

3 Q. And, so, on the screen is Defendant's Exhibit 50;
4 and why did you look at this document in connection with
5 that particular point?

6 A. Well, this is where the board of directors
7 basically wound down or shut down the company that was
8 attempting to make a product that contained the teachings
9 of the patents-in-suit.

10 And you can see it says in the middle there
11 Personal Audio is "unable to create a viable business,
12 has no success promoting its revised business plan,
13 cannot achieve revenue, let alone profit." So, that's
14 what the board of directors were saying about those
15 efforts; so, it's -- you know, it was an unfortunate
16 situation where the company was not able to commercialize
17 a product.

18 Q. Okay. And, Dr. Ugone, this is actually a couple
19 of years before the hypothetical negotiation; so, what's
20 the importance of this to the hypothetical negotiation,
21 if any?

22 A. Well, if you have two sides negotiating a license
23 to the patent, here's one way to think about it, that one
24 of the sides has attempted to commercialize a product,
25 was not successful.

1 The other side would be in the process of
2 commercializing a product but both sides would know what
3 it would take to commercialize the product and that the
4 patent holder has attempted to commercialize the product,
5 had failed at that and, so, they would sort of know what
6 efforts are going to be required to commercialize a
7 product and that would be part of the negotiations at the
8 hypothetical negotiation.

9 Q. Would that involve consideration of any business
10 risks?

11 A. Oh, yes, it would, because as we see here, there
12 was a business risk, that this company had been
13 unsuccessful.

14 Q. So, let's move on and talk a little bit about the
15 economic circumstances in 2001 when Apple introduced the
16 iPod and around the time of the hypothetical negotiation
17 that you're talking about.

18 So -- and this is a lot of text on this slide.
19 However, the real question is: What was the economic
20 climate and what type of business risks would both
21 parties to the negotiation have been looking at in
22 considering a royalty?

23 A. You know, if we all think back to 2001, it was a
24 very difficult time period. The Internet bubble had
25 burst. Companies were having -- especially high-tech

1 companies were having a very difficult time. Competitors
2 were reducing their R&D spending because there were
3 losses that were being made. We were in a recession,
4 right around the same period of time as the hypothetical
5 negotiation. So, it's sort of like -- think about the
6 economic environment in which the negotiations were
7 taking place. And, so, what I'm trying to do there in
8 the very beginning in the "economic environment" is to
9 give you the flavor of that so you can have a sense of
10 that. But the Internet bubble had burst, and we were in
11 recession in the overall economy.

12 Then you get into more particulars for
13 Personal Audio and Apple, and Personal Audio would be
14 known to have been unable to commercialize an invention
15 embodying the teachings of the patent-in-suit. They had
16 gone out of business. They were winding down their audio
17 initiatives and focusing on video. So, that was what was
18 going on on the Personal Audio side.

19 And on the Apple side it's kind of an
20 interesting set of circumstances, and we've heard some
21 testimony on this from Mr. Fadell and Mr. Ng. But Apple
22 was a large company, a Fortune 500 company. They had
23 operating losses in 2001, and there was this sort of
24 divergence of opinion that I think the people -- and I
25 think it was Mr. Fadell that said he thought that the

1 iPod would be a critically acclaimed product but he
2 wasn't quite sure about whether it would be a commercial
3 success.

4 But clearly within Apple they had confidence
5 that they could make it into a commercial success, but
6 let's just say analysts out in the marketplace didn't
7 necessarily share that view in terms of Apple's effort.
8 So, a lot of people out in the marketplace thought there
9 was a big risk in terms of what Apple was doing,
10 especially in this economic environment.

11 Q. Now, your opinion of a 5 million-dollar ceiling
12 for the royalty in this case, based on the evidence
13 you've reviewed, do you believe that Apple would have had
14 the ability to pay \$5 million at that time if that was
15 the result of a hypothetical negotiation?

16 A. Yes, they could have paid the \$5 million. They
17 could have either paid it in a lump-sum amount, a
18 5-million-dollar payment; or if it was required, they
19 could have structured sort of installment payments. But
20 the point is that the payments would not have gone above
21 the \$5 million in aggregate.

22 Q. So, let's go ahead and turn to the last real-world
23 fact that was on your list from before. And could you
24 summarize for the jury the value indicators related to
25 the patents-in-suit?

1 A. And again what we're trying to do is kind of in a
2 sense triangulate to what would be the outcome of a
3 hypothetical negotiation between prudent and reasonable
4 negotiators. And we talked about one consideration being
5 the two Apple licenses that we discussed and how those
6 would come into play. But there was also the sale of the
7 playlist patent that occurred at an auction, and there
8 was also the offer to sell the Personal Audio patent
9 portfolio to Concert Technology. So, we're going to talk
10 about those, too.

11 Q. Okay. So, we will turn to the auction of the
12 playlist patent; but briefly can you explain why these
13 indicators are relevant from an economic perspective?

14 A. Well, if we take -- just go right to Number 3.
15 That deals with the '076 patent; so, that's directly
16 relevant, an offer to sell that.

17 It was also a fixed sale price; so, that's
18 another important consideration.

19 And my understanding from Dr. Wicker is that
20 the playlist patent had a similar or complementary
21 technology to the patents in dispute here and there was a
22 market transaction. So, there actually was an auction --

23 Q. So, Dr. Ugone, you're getting ahead of me. I'm
24 going to go ahead and go to the next slide. You're
25 talking about the playlist patent and the auction.

1 First of all, tell the jury what the playlist
2 patent is.

3 A. Yes. So, according to Mr. Logan, the playlist
4 patent covered methods for creating, distributing, and
5 managing playlists; and it's complementary to Personal
6 Audio patent portfolio, so, what -- what includes one of
7 the patents-in-suit. So, that's why it's relevant to
8 look at it.

9 Q. Okay. And that playlist patent was Defendant's
10 Exhibit 169; is that right?

11 A. I believe that to be true, yes.

12 Q. Okay. Did you make any other determination to see
13 if the playlist patent was comparable to the technology
14 of the patents-in-suit?

15 A. Well, that's where I had discussions with
16 Dr. Wicker. So, I had gotten a little ahead of you, yes.

17 Q. Okay. So, how were you able to determine a value
18 for the playlist patent?

19 A. Well, here's what's interesting. I did not
20 determine a value; the market determined a value. There
21 was an auction for this patent. There were bidders for
22 the patent. There was actually a transaction at a
23 certain amount where someone purchased this patent. So,
24 it was a market-determined price for the purchase of the
25 patent. It wasn't a license agreement; it was a purchase

1 of a patent.

2 Q. Okay. Who was the auctioneer?

3 A. A company called "Ocean Tomo." They're known for
4 conducting patent auctions.

5 Q. Okay. Can you explain a little bit more about
6 that process?

7 A. Well, what they do is they actually set up the
8 environment for the auction; and they bring the buyers
9 and sellers together. So, they sort of facilitate it;
10 and then there is actually bidders on the patent until it
11 gets to above a certain price where the owner says, "If
12 it's above that price, I will sell." But the bidding
13 keeps going on until you get to a point where nobody
14 wants to bid any more, and then it's sold.

15 Q. Okay. And is it your understanding that the
16 playlist patent, in fact, sold at the Ocean Tomo auction?

17 A. Yes.

18 Q. Okay.

19 MS. HUNSAKER: Mr. Barnes, could you pull up
20 Defendant's Exhibit 46, please?

21 And if we could blow that up to read it a
22 little bit better.

23 BY MS. HUNSAKER:

24 Q. Can you tell us what Defendant's Exhibit 46 is?

25 A. Well, this was an email to Mr. Logan; and you can

1 see in the first line it says, "Congratulations on the
2 sale of your consigned Lot Number 12B at our Spring 2008
3 auction held on April 2nd, 2008. Your lot transacted for
4 a final bid price of \$400,000."

5 Q. And is that your understanding of what the
6 playlist patent sold for at the Ocean Tomo auction?

7 A. Yes.

8 Q. Now, in terms of the --

9 MS. HUNSAKER: Mr. Barnes, if we could bring
10 up the next one.

11 BY MS. HUNSAKER:

12 Q. What do we know about the 400-thousand-dollar sale
13 price of the playlist patent from the inventors in this
14 case?

15 A. Well, there was deposition testimony by
16 Mr. Call -- and I think he and I are in agreement. I was
17 talking about sort of a market price by bidders
18 ultimately bidding to the 400,000. But he received a
19 question in deposition saying, "Okay. Would you agree
20 that \$400,000 was the fair market value of the playlist
21 patent?"

22 And he answers, "You know, there were a good
23 number of people bidding on it. That's where the bidding
24 ended up. I guess what I thought it's worth doesn't
25 count very much" -- where "he" thought -- "so, that's

1 what a free market exchange determined was the value of
2 it."

3 So, I stumbled a little bit in there; but the
4 whole point he -- as you know, all sellers have higher
5 hopes of getting as much money as they can but prices are
6 what's determined in the marketplace and bidders bid up
7 to 400,000 and they stopped and that's where the
8 transaction took place.

9 Q. Okay. So, we're talking about a purchase of a
10 patent; but in the issue that we're addressing in this
11 case, we're talking about the license. So, what's more
12 valuable -- to license a patent or to purchase it?

13 A. Well, actually the ownership of a patent -- think
14 about it this way: Would you pay more to buy a patent,
15 or would you pay more to license the patent? Now, if you
16 buy the patent, you actually get ownership rights; and,
17 frankly, you could turn around and license it to others.
18 So, it's more costly to buy a patent than to pay the
19 royalty fees on the patent. Kind of like renting a house
20 versus if you were to buy the house, that would be a good
21 analogy.

22 Q. So, ultimately what's the significance of a
23 400,000-dollar sale price of the playlist patent to the
24 issues in this case?

25 A. Well, so, that's the sale price for somebody that

1 bought the patent and, so, that tells you that it's
2 likely that for this patent a licensing rate would be
3 less than the 400,000.

4 Q. Okay. Let's shift gears a little bit and talk
5 about the negotiations between Mr. Logan and Concert
6 Technology. So, first of all, did you assist in
7 preparing this timeline summarizing some of the
8 correspondence between Mr. Logan and Concert Technology?

9 A. Yes. So, this is a summary of the underlying
10 documentation concerning the timeline of the
11 negotiations.

12 Q. Okay. And, so, before we go into some of the
13 details on this, can you just tell us a little bit about
14 what we know about Concert Technology?

15 A. Well, Concert Technology is a company that
16 acquires licenses to get a portfolio and then try to
17 license them themselves.

18 Q. Okay. And did they also have some products that
19 they offered?

20 A. I don't believe they had any products. They were
21 licensing patents. That's my understanding.

22 Q. So, if we look at -- excuse me just a moment.

23 If we look at the timeline, I notice that on
24 the left-hand side is 2006 and on the right-hand side is
25 2008. Do you see that?

1 A. Yes, I do.

2 Q. Okay. And is that generally the time frame that
3 these negotiations occurred?

4 A. Yes. So, it was roughly in the August, 2006, time
5 period through mid 2008, so, roughly over a two-year
6 period.

7 Q. Okay.

8 MS. HUNSAKER: Mr. Barnes, could we bring up
9 Defendant's Exhibit 322, please?

10 BY MS. HUNSAKER:

11 Q. Do you see DX 322, and generally does this appear
12 to be a string of emails between Mr. Logan and a
13 Mr. Farrelly?

14 A. Yes.

15 Q. And who is Mr. Farrelly?

16 A. He is someone at Concert Technology actually.

17 Q. Okay.

18 MS. HUNSAKER: Now, why don't we turn to the
19 last page of this. In email strings, a lot of times the
20 first correspondence will appear printed on the last
21 page. So, can we take a look at page 5 of DX 322?

22 BY MS. HUNSAKER:

23 Q. Now, what does this particular email represent in
24 the context of the negotiations between Mr. Logan and
25 Concert?

1 A. The easiest way I described this -- and there are
2 some pleasantries and introductions at the beginning, but
3 basically it's a contact between Mr. Farrelly and
4 Mr. Logan inquiring about certain patents that Concert
5 Technology would be interested in.

6 Q. Okay. And if you look down, the third paragraph
7 of this email.

8 MS. HUNSAKER: Sorry. If we could highlight
9 the date.

10 BY MS. HUNSAKER:

11 Q. When was this?

12 A. August 16, 2006.

13 Q. And then the third paragraph down, it mentions the
14 '076 patent and the pending application. Do you see
15 that?

16 A. Yes, I do.

17 Q. So, what was Mr. Farrelly writing to Mr. Logan
18 about in this email?

19 A. Well, he's saying that there are certain patents
20 that are owned by Mr. Logan that they would be interested
21 in discussing for a possible transaction or purchase.

22 Q. Okay. Is that what he says in the first sentence
23 of the third paragraph there?

24 A. Yes.

25 Q. And going on down to the last sentence or the last

1 clause of that, he references asking whether Mr. Logan
2 and his co-inventors "are amenable to entertaining offers
3 for this intellectual property"; is that right?

4 A. He's communicating that question, yes.

5 Q. Okay.

6 MS. HUNSAKER: So, if we could go a little bit
7 further in the email string that is in Defendant's
8 Exhibit 322, to page 4.

9 And pull up the August 31st email from
10 Mr. Farrelly to Mr. Logan.

11 BY MS. HUNSAKER:

12 Q. Can you describe what's going on there?

13 A. Well, so, this occurs a couple of weeks later,
14 August 31st, 2006; and Mr. Farrelly is contacting
15 Mr. Logan again and is saying, "I just wanted to check in
16 with you and find out if you might have some time today
17 or tomorrow when we could discuss the patents that our
18 firm is interested in acquiring."

19 So, he's establishing that contact again.

20 Q. Okay. Then the remainder of this exhibit, they
21 set up the call; and there -- when we looked at the
22 timeline, it describes some of the preliminary
23 discussions that happened in the fall of 2006; is that
24 right?

25 A. That's correct.

1 MS. HUNSAKER: Could we go ahead and bring up
2 Defendant's Exhibit 334 now?

3 BY MS. HUNSAKER:

4 Q. So, Dr. Ugone, could you take a look at DX 334;
5 and do you recognize this?

6 A. Yes, I do.

7 Q. And generally could you describe it for the jury?

8 A. This is another contact from Mr. Farrelly to
9 Mr. Logan. And it says, "Thanks for the note. I
10 apologize for the delay in getting back to you." He was
11 out of town; so, he's just doing some introductions.

12 And then he says, "In answer to your question,
13 we have met a few patent valuation and broker firms that
14 might be able to help you get your portfolio organized
15 and ready to sell." So, he discusses that a little bit.

16 And then he says -- and this is the important
17 part, the first sentence of the third paragraph, "If you
18 are amenable, though, we would like to meet with you
19 first to evaluate the portfolio and make an offer."

20 Q. Now, if you go on to the second page of DX 334,
21 there is an email from Mr. Farrelly to Mr. Logan in
22 November of 2006. Do you see that?

23 A. Yes, I do.

24 Q. And what is he discussing with Mr. Logan in this
25 email?

1 A. Well, he's really referencing also a prior
2 communication; and Mr. Farrelly is saying to Mr. Logan,
3 "Thought I would check in with you. We last talked in
4 early October, and you indicated that you thought it
5 would take about 6-8 weeks to complete a valuation of
6 your respective portfolios."

7 And then he basically says, "I just wanted to
8 get an update on your progress."

9 Q. Okay. And then at the very top of that page --

10 MS. HUNSAKER: And I believe we need to look
11 at the bridge between pages 1 and 2.

12 BY MS. HUNSAKER:

13 Q. But this appears to be a response from Mr. Logan
14 to Mr. Farrelly. Do you see that?

15 A. Right above that, yes.

16 Q. Okay. And what does Mr. Farrelly tell -- excuse
17 me. What does Mr. Logan tell Mr. Farrelly in the second
18 sentence of that email?

19 A. In the second sentence it says, "I'm actually in
20 the process of trying to hire someone to help me get my
21 patent portfolio organized and ready to sell."

22 Q. Okay.

23 MS. HUNSAKER: So, let me ask you to pull up
24 DX 345, please, Mr. Barnes.

25 *

1 BY MS. HUNSAKER:

2 Q. So, Dr. Ugone, do you recognize Defendant's
3 Exhibit 345 as another email chain between Mr. Logan and
4 Mr. Farrelly of Concert?

5 A. Yes, I do.

6 Q. So, pulling up again the pages that bridged 1 and
7 2 of this Exhibit 345, this appears to be a December 9th,
8 2007, email, again between Mr. Logan and Mr. Farrelly.
9 Do you see that?

10 A. Yes, that's correct.

11 Q. And in the last sentence of that first paragraph,
12 what is Mr. Farrelly telling Mr. Logan?

13 A. If I'm with you on the paragraph you want me to
14 look at, which I'm familiar with, it says, "If you are
15 still interested in selling, I'm sure I can get you a
16 formal offer from our team."

17 Q. Okay. Now, if you look up to the next email in
18 the string, Mr. Logan responds to Mr. Farrelly; is that
19 right?

20 A. Yes.

21 MS. HUNSAKER: Actually it's a little bit
22 lower, Mr. Barnes.

23 Thank you.

24 BY MS. HUNSAKER:

25 Q. Now, this appears to be a response from Mr. Logan

1 to Mr. Farrelly. And can you read what it says in the
2 second sentence of this part of Exhibit DX 345?

3 A. So, Mr. Logan is saying to Mr. Farrelly, "Now we
4 are engaging a small firm to do a patent valuation study
5 to really see who may be violating the patent."

6 And then he goes on to say (reading) in
7 February we may have a better idea of what we're going to
8 do.

9 Q. Okay.

10 A. I was paraphrasing in that second --

11 Q. Thank you.

12 At the very top of Defendant's Exhibit 345, it
13 looks like Mr. Farrelly checks in with Mr. Logan in
14 February and then -- at the very top?

15 A. Sure. So, Mr. Farrelly says to Mr. Logan, "Just
16 thought I would check in with you. I know that you
17 expected to have your patent valuation analysis completed
18 by February. If that work has been finalized and you
19 have a firm idea of what you would like to do with your
20 portfolio, please let us know."

21 Q. Okay. Thank you.

22 MS. HUNSAKER: Now, Mr. Barnes, if you could
23 pull up Defendant's Exhibit 337, please.

24 BY MS. HUNSAKER:

25 Q. Dr. Ugone, DX 337 appears to be another email to

1 Mr. Logan from Mr. Farrelly on April 4th, 2008. Do you
2 see that?

3 A. Yes, I do.

4 Q. And Mr. Farrelly starts out saying,
5 "Congratulations on selling your lot." Do you believe
6 he's referring to the playlist patent auction that we
7 discussed previously?

8 A. Yes. And it does say "Subject: Lot 12B"; and I
9 think we saw that in a previous email as well.

10 Q. Okay. If you could go down to the last paragraph,
11 take a look at the last sentence of the last paragraph
12 there. What is Mr. Farrelly telling Mr. Logan there?

13 A. The last sentence says, "I think that if you have
14 other assets to sell, we could probably come to a
15 mutually beneficial arrangement."

16 Q. Okay. Thank you.

17 MS. HUNSAKER: Mr. Barnes, could you pull up
18 Defendant's Exhibit 321, please?

19 BY MS. HUNSAKER:

20 Q. Dr. Ugone, does Exhibit 321 appear to be another
21 communication between Mr. Farrelly and Mr. Logan?

22 A. Yes.

23 Q. And if you could turn to the fourth page of
24 DX 321, it appears to be another April email to Mr. Logan
25 from Mr. Farrelly. Do you see that?

1 A. I do.

2 Q. And what is the purpose of this email?

3 A. Well, it says -- Mr. Farrelly is saying to
4 Mr. Logan, "Good to talk with you today. As discussed,
5 attached is our mutual NDA." And then it goes on from
6 there, but it's the concept that attached is an NDA.

7 Q. Okay. And if you scroll up to the response in
8 this email -- and again this one bridges pages 3 and 4 --
9 did Mr. Logan respond to Mr. Farrelly?

10 A. Yes. The first sentence says "The NDA looks
11 okay."

12 Q. Okay. And if you look down at the last paragraph
13 before the sign-off, does Mr. Logan tell Mr. Farrelly
14 anything regarding patents that he's potentially
15 interested in doing a deal with Concert on?

16 A. It says, "We are still interested in discussing a
17 deal with the Personal Audio patent family." So, that's
18 the -- yeah, what's been highlighted on the screen there.

19 Q. And then you see the sentence that says, "But for
20 reference"?

21 A. I'm sorry. Could you -- oh, yes. Yes. "But for
22 reference, the patents that have issued in this set are
23 described here." And there's what appears to be a link.

24 Q. Okay. And then the final sentence of that
25 paragraph says (reading) the pending continuations being

1 written now are quite interesting.

2 Do you see that?

3 A. Yes, I do.

4 Q. Okay. Do you have an understanding whether that
5 refers to the '178 patent?

6 A. Yes. That's my understanding.

7 Q. And then finally if you could go to page 2 of
8 Defendant's Exhibit 321. It looks like Mr. Farrelly
9 responds to Mr. Logan on April 21st, 2008. Do you see
10 that?

11 A. Yes, I do.

12 Q. And in the first sentence, again he's referring to
13 "Glad to hear that the NDA is acceptable"; is that
14 correct?

15 A. Yes.

16 Q. Okay. And then if you look down at the paragraph
17 that begins "As for Gotuit Media" --

18 A. Yes.

19 Q. -- what does Mr. Farrelly tell Mr. Logan in the
20 second sentence of that paragraph?

21 A. "However, we are interested in pursuing
22 opportunities with the Personal Audio portfolio."

23 Q. Okay. Now, if we scroll down a little bit further
24 in Defendant's Exhibit 321, he says at the bottom, "Here
25 is my understanding of the family"; and he's talking

1 about patent families.

2 A. Yes.

3 Q. And under Number 3, does that list the
4 '076 patent?

5 A. Yes, it does.

6 Q. And under 3A, it begins with an 09/781,546. Is it
7 your understanding that that is the application for the
8 '178 patent?

9 A. Yes.

10 THE COURT: Counsel, we're going to break for
11 lunch.

12 Ladies and gentlemen, I'll ask you to be back
13 at 1:00.

14 (The jury exits the courtroom, 11:58 a.m.)

15 THE COURT: We'll be in recess until 1:00.

16 (Recess, 11:58 a.m. to 1:00 p.m.)

17 (Open court, all parties present, jury
18 present.)

19 THE COURT: Ms. Hunsaker, please continue.

20 MS. HUNSAKER: Thank you.

21 BY MS. HUNSAKER:

22 Q. Welcome back, Dr. Ugone. At the break we had
23 finished talking about some correspondence in April,
24 2008. Do you recall that?

25 A. Yes.

1 Q. Okay. And, so, just orienting back to the
2 timeline --

3 MS. HUNSAKER: Mr. Barnes, if you could please
4 bring up Defendant's Exhibit 136, please.

5 BY MS. HUNSAKER:

6 Q. Dr. Ugone, do you have DX 136 in front of you?

7 A. I do.

8 Q. And is this another email string that continued
9 the discussions between Mr. Logan and Concert Technology?

10 A. Yes.

11 Q. Let me have you take a look at page 2 of
12 Defendant's Exhibit 136, please.

13 A. I'm there.

14 Q. Okay. And actually before we talk about what this
15 says, can you tell the ladies and gentlemen of the jury
16 what the date of this email exchange is as reflected on
17 the first page of the exhibit?

18 A. This is in the June 2nd, June 3rd time frame. The
19 email chain is in that time period, over those couple of
20 days.

21 Q. Okay. Very good. Now if you could please go to
22 the second page of DX 136.

23 A. Okay.

24 Q. This appears to be an email from Mr. Logan to
25 Mr. Gene Farrelly of Concert; is that correct?

1 A. Yes.

2 Q. Okay. And can you describe to us what Mr. Logan
3 says in the first paragraph of this email?

4 A. Well, he says, "Nice talking with you today" --
5 I'm sorry. Are you on the second page?

6 Q. Yes.

7 A. Okay. Says, "Nice talking with you today. Per
8 that discussion, here is the Preliminary Amendment to the
9 '546 application whereby we canceled the existing
10 33 claims and replaced them with 29 new claims."

11 Q. The '546 application, is that the one that we
12 discussed related to the '178 patent-in-suit?

13 A. That's correct.

14 Q. Okay. And how about the second paragraph, what
15 does Mr. Logan tell Mr. Farrelly there?

16 A. He says, "Please let me know when it's appropriate
17 to send over the claims chart we did on this regarding
18 Apple. And I will let you know what Charlie Call thinks
19 of the connections between the patents."

20 Q. Okay. Thank you.

21 MS. HUNSAKER: Mr. Barnes, could you please
22 shift to Demonstrative 830?

23 BY MS. HUNSAKER:

24 Q. Did Mr. Logan also provide some testimony in the
25 trial here with respect to consideration of Apple and the

1 Concert negotiations?

2 A. Yes, he did.

3 Q. Okay. And what did Mr. Logan say?

4 A. Well, we have the transcript testimony up here.

5 He was asked a question, "So, let's just be
6 very clear. In the summer of 2008 when you had the
7 \$5 million discussion with Mr. Farrelly, you suspected
8 that Apple was using your patents, correct?

9 "Answer: Yes, we did.

10 "Question: So, it wasn't like you discovered
11 after you made that offer that Apple might have been
12 using your patents, correct?

13 "Answer: That is correct."

14 Q. Okay. Thank you, Dr. Ugone.

15 MS. HUNSAKER: Mr. Barnes, could you please
16 pull up DX 137 now?

17 BY MS. HUNSAKER:

18 Q. So, Dr. Ugone, the next exhibit that we have on
19 the screen is Defendant's Exhibit 137. And starting at
20 the bottom of this email string, can you tell us, first
21 of all, what this is and what date it is?

22 A. So, the very bottom email in the email chain is
23 July 15th, 2008; and again it's an email from
24 Mr. Farrelly to Mr. Logan.

25 Q. Okay.

1 MS. HUNSAKER: Let's get that up there.

2 BY MS. HUNSAKER:

3 Q. Okay. And what is the date again of this email?

4 A. July 15th, 2008.

5 Q. And, so, is this after the email that we just
6 looked at in which Mr. Logan was discussing Apple with
7 Mr. Farrelly?

8 A. That's correct.

9 Q. Okay. And can you tell us what Mr. Farrelly tells
10 Mr. Logan in this email?

11 A. He says, "We have completed our due diligence and
12 would like to present you with an offer."

13 Q. Okay. And did Mr. Logan reply to this?

14 A. Yes, he did.

15 Q. Okay. And what did Mr. Logan say in his reply --
16 actually down in the middle.

17 A. Well, he basically says that he's on Cape Cod
18 right now but he could step out and give him a call a
19 little bit later.

20 Q. Okay.

21 MS. HUNSAKER: And if we could go up to the
22 top part of the email, please.

23 BY MS. HUNSAKER:

24 Q. Okay. And what date is this email?

25 A. So, now we're to July 16th; so, that's literally

1 the next day.

2 Q. Okay. And what does this email reflect?

3 A. Well, this is where Mr. Farrelly is saying to
4 Mr. Logan, in the third paragraph, he says, "At this
5 point in time, I am only authorized to make my offer over
6 the phone." And, so, he says basically that he has a
7 verbal offer that he wants to discuss with Mr. Logan.

8 Q. Okay. And if you look at the very first sentence
9 of that email string, does it appear that he's already
10 spoken to Mr. Logan today?

11 A. Yes. He says, "Thanks again for the call today."

12 Q. Okay. Referring back again to the last paragraph
13 of this --

14 MS. HUNSAKER: No, I'm sorry. Mr. Barnes, the
15 last paragraph in that string that was already up.

16 BY MS. HUNSAKER:

17 Q. What does he say there in the last sentence of the
18 last paragraph?

19 A. "Our CEO is out-of-pocket for a few days, but when
20 he returns, I will tell him that you have indicated your
21 desire to have our offer more formalized in writing
22 (i.e. via email), and with his approval, I will send you
23 a note accordingly."

24 Q. Okay. Thank you, Dr. Ugone. That was July 16th,
25 2008.

1 MS. HUNSAKER: Mr. Barnes, could you please
2 now pull up Defendant's Exhibit 51?

3 And if we can highlight the title in the first
4 paragraph of this document.

5 BY MS. HUNSAKER:

6 Q. Can you tell us what DX 51 is?

7 A. This appears to be some meeting notes that
8 Mr. Logan made after his meeting with Mr. Stan Fry of
9 Concert Technology.

10 Q. And is this shortly after the email we just looked
11 at in which Concert made an offer to Mr. Logan?

12 A. Yes. So, the date of this memorandum is
13 July 30th, 2008.

14 Q. Now, focusing a little bit further down in DX 51,
15 let's take a look starting at about the fourth through
16 sixth paragraph. If you could, describe to the ladies
17 and gentlemen of the jury what this document reflects.

18 A. Well, Mr. Logan is memorializing some of his
19 thoughts and the nature of the conversation with Mr. Fry;
20 so, that's my read on what is going on in this document.

21 Q. So, in the first paragraph he notes that --
22 Mr. Logan notes that (reading) Concert has 20 people
23 working there, some in patent licensing, and others on
24 the R&D side.

25 Do you see that?

1 A. That's correct, yes.

2 Q. The first sentence of the next paragraph, he says,
3 "The business model of Concert does not lend itself to a
4 partial or contingent sale." Do you see that?

5 A. Yes, I do.

6 Q. And then, finally, in the sixth paragraph, which
7 is the last part highlighted up there, what does
8 Mr. Logan write in this memo regarding his meeting with
9 Stan Fry of Concert?

10 A. He says, "In any case, I told Stan our number for
11 the PA patents was \$5 million."

12 Q. And is this the document reflecting the offer to
13 sell the Personal Audio patents to Concert for \$5 million
14 that you've talked about previously in your testimony?

15 A. That's correct.

16 MS. HUNSAKER: So, Mr. Barnes, if you could
17 now pull up DX 134, please.

18 BY MS. HUNSAKER:

19 Q. Dr. Ugone, do you have Defendant's Exhibit 134 in
20 front of you?

21 A. I do.

22 Q. And could you tell us what this is?

23 A. This is an email from Mr. Farrelly to Mr. Logan on
24 July 31st.

25 Q. Okay. So, this is --

1 A. And he's having contact with Mr. Logan concerning
2 the meeting that Mr. Logan had with Mr. Fry earlier in
3 the week.

4 Q. Okay. Let's just focus in a little bit on the
5 first paragraph. What does he say there in the second
6 and third sentences?

7 A. He was saying he was glad that Mr. Logan could
8 meet with the chairman, Mr. Fry, and it sounded like they
9 had a productive meeting.

10 Q. And then in the third paragraph, it appears that
11 he's attaching a draft version of a purchase agreement.
12 Do you see that?

13 A. Yes. He says, "Attached is a draft version of an
14 agreement for the purchase of your Personal Audio
15 portfolio."

16 Q. And what does he note in the next sentence?

17 A. "Please note that in the agreement we have
18 specifically identified the patents that we believe to be
19 part of this portfolio."

20 Q. So, then focusing down in the second to last
21 paragraph of DX 134, what does this part of the exhibit
22 reflect?

23 A. Well, he says to Mr. Logan, "I know that you and
24 our chairman had some discussions on valuation. As such,
25 I have not included any formal amount for our offer in

1 the attached draft agreement."

2 And, so, then he says (reading) I want to make
3 sure that we're talking about the same set of patents
4 before we finalize any valuation discussions.

5 Q. Okay. Thank you, Dr. Ugone.

6 MS. HUNSAKER: Mr. Barnes, if you could bring
7 up Defendant's Exhibit 135, please.

8 BY MS. HUNSAKER:

9 Q. And if we just look up at the title of this
10 agreement, you see it says, "Intellectual Property
11 Purchase and Sale Agreement"?

12 A. Yes.

13 Q. And was this the draft agreement that appears to
14 have been attached to the previous email?

15 A. That's correct.

16 Q. And I believe this has already been shown and
17 testified to, but let's look at the patents that are a
18 little bit further down in this particular agreement.
19 And the third one down appears to reflect the
20 '076 patent; is that correct?

21 A. That's correct. So, the third column from the
22 left in the third row is the '076 patent.

23 Q. Okay. And we've previously discussed that the
24 '546 application, which is two rows down, is the
25 application that resulted in the '178 patent; is that

1 correct?

2 A. That's correct.

3 MS. HUNSAKER: Okay. Mr. Barnes, if you could
4 please pull up Defendant's Exhibit 41.

5 BY MS. HUNSAKER:

6 Q. So, Dr. Ugone, could you please describe what
7 DX 41 is?

8 A. Okay. I'm just turning it to the exhibit now.
9 I'm sorry. 041?

10 Q. Yes.

11 A. So, at the very bottom of it -- so, it's an email
12 chain. So, you start at the bottom. And Mr. Farrelly is
13 again writing to Mr. Logan.

14 Q. And what's the date?

15 A. The date of this would be August 20th, 2008.

16 Q. Okay. And what does Mr. Farrelly tell Mr. Logan
17 in the first couple of paragraphs of this exhibit?

18 A. Well, Mr. Farrelly says, "After your meeting with
19 our chairman last month, we went back and spent some more
20 time reviewing the Personal Audio portfolio. At this
21 point in time, we feel as though the offer we extended to
22 you is reasonable."

23 But then he goes on to say, "I understand from
24 your conversations with our chairman that you were
25 looking for a more substantial offer. So, it appears as

1 though we are at an impasse."

2 MS. HUNSAKER: Mr. Barnes, if you could please
3 bring up the Demonstrative 827, please.

4 BY MS. HUNSAKER:

5 Q. So, Dr. Ugone, in coming to form your opinions in
6 this case, did you consider all of the exhibits that we
7 just went through and which are reflected on the timeline
8 that is Demonstrative 827?

9 A. Yes. That would be over the mid 2006 to mid 2008
10 time period.

11 Q. Okay.

12 MS. HUNSAKER: Your Honor, at this time I
13 would like to move DDX 827 in as a 1006 summary.

14 MR. SCHUTZ: It's just a timeline, your Honor.
15 The underlying documents are in; and, so, this isn't a
16 case summarizing voluminous documents. They're all in;
17 and, so, I don't think it's a summary.

18 THE COURT: Okay. Any objection to having it
19 in, as we have on some of the other ones that the experts
20 have come up with, basically an outline of what their
21 thoughts are or opinions are, the jury has the documents
22 and the facts to look at?

23 MR. SCHUTZ: If we have some similar ones
24 in --

25 THE COURT: Right. Both sides have already

1 had some of those in.

2 Any problem with that, Ms. Hunsaker?

3 MS. HUNSAKER: No, your Honor.

4 THE COURT: Okay. Again, ladies and
5 gentlemen, you're going to have a number of these
6 demonstratives and again I'll instruct you these are what
7 these various experts have summarized and put together
8 and it basically states their opinion. You're going to
9 have to decide the underlying facts.

10 And if you are to decide you just didn't agree
11 with how they summarized it, well, then you just didn't
12 agree. But it otherwise becomes very, very difficult for
13 you to remember what they said and see what they said,
14 especially when the lawyers are arguing about it. So,
15 I'm going to allow it for that limited purpose on them.

16 And we'll identify which ones those are when
17 you take them back to the jury room.

18 Go ahead, ma'am.

19 MS. HUNSAKER: Thank you, your Honor.

20 Mr. Barnes, could we go to Demonstrative 827,
21 please?

22 How about 829?

23 BY MS. HUNSAKER:

24 Q. Okay. Now, Dr. Ugone, the negotiations that we've
25 just talked about between Mr. Logan and Concert

1 Technology, those were for the sale of the Personal Audio
2 patents rather than for a nonexclusive license; is that
3 correct?

4 A. That's correct.

5 Q. And can you explain how the offer to sell these
6 patents is relevant to the amount of a license?

7 A. Well, the hypothetical negotiation would have been
8 for a license to the patents we've been talking about,
9 not to purchase the patents we've been talking about.
10 These discussions that we've been going through have to
11 do with the purchase, and you would expect that the
12 purchase price would be higher than the licensing rate.
13 And, so, that's why it was relevant that this is a higher
14 number than what you would probably expect out of a
15 hypothetical negotiation.

16 Q. We also talked about the date of this offer being
17 in 2008. Could you explain how to evaluate that in the
18 context of a hypothetical negotiation in either 2001 or
19 2009?

20 A. So, these discussions occurred over the 2006 to
21 2008 time period. The 5-million-dollar figure was given
22 in 2008, and the hypothetical negotiation is 2001. So,
23 the question is how is that helpful to us.

24 Well, we did see through the documentation
25 that Mr. Logan had his suspicions about Apple, at least

1 what he was thinking in terms of Apple using his
2 intellectual property. And we've seen from some of the
3 underlying data that the amount of sales, for example, of
4 the iPod was -- it was commercially successful at that
5 point in time. Whereas, at the time of the hypothetical
6 negotiation, there would have been a much greater degree
7 of uncertainty about the future success of the iPod.

8 And, so, that way, in a sense, it would be --
9 if you rolled that number back, it would be a
10 conservative rolling back of that number, given what had
11 transpired in the intervening years.

12 Q. And is that why you refer to the 5-million-dollar
13 number as a ceiling?

14 A. As a "no greater than," yes.

15 Q. Okay. So, based upon all of your testimony up to
16 this point, what conclusions have you reached based on
17 the value indicators that we've looked at today?

18 A. All right. So, taking into account everything
19 I've looked at, the various contributions of the parties
20 and what has led to -- you know, the R&D that's taken
21 place, the marketing and so forth, the strategies of
22 getting a product to the marketplace -- I don't want to
23 separate all of that. So, there is all of that
24 information plus there's all the value indicators, the
25 numbers and the comparable licenses and the sales that

1 we've seen with the playlist patent and the offer for --
2 by Mr. Logan to sell for \$5 million. I put all of that
3 together, and that's why my opinion is at the time of the
4 hypothetical negotiation, they would have reached an
5 agreement for a fully paid-up freedom-to-operate license
6 no greater than \$5 million. That's the basis of my
7 opinion.

8 Q. Okay. Thank you, Dr. Ugone.

9 So, we're going to shift gears just a little
10 bit; and we're coming close to winding up. But I'd like
11 to turn to your specific evaluation of Mr. Nawrocki's
12 opinion.

13 MS. HUNSAKER: Mr. Barnes, if you could go to
14 Demonstrative 833, please.

15 BY MS. HUNSAKER:

16 Q. Now, is Mr. Nawrocki's opinion regarding Personal
17 Audio's claimed damages consistent with the real-world
18 facts that you have discussed today?

19 A. I do not find his opinion to be consistent with
20 the real-world facts that I've discussed, and they fall
21 into two categories. There's the numbers that we've been
22 talking about in this chart on the real-world facts; and
23 then there's all the other kind of qualitative
24 explanations I've given for the reasons for the success
25 of the iPod classic, nano, and mini. And, so, I find his

1 number to be way overstated in light of the factors that
2 I considered and used as an input into my opinion.

3 Q. Okay. So, let's talk a little bit about why you
4 think that Mr. Nawrocki's royalty conclusion is too high.
5 So, do you recall Mr. Nawrocki's testimony with certain
6 percentages?

7 A. Yes, I do.

8 Q. Okay. And what is your opinion regarding
9 Mr. Nawrocki's allocation to those various groups?

10 A. And just to help orient us, remember he took, on
11 the far left, the average selling price times a profit
12 margin; and then he did these multiplications by these
13 percentages to ultimately get to what he claimed to be
14 the profits associated with the claimed patented
15 features.

16 And what I remember from Mr. Nawrocki's
17 testimony is that if you look at that middle box there,
18 that he gave a series of percentages when he did those
19 multiplications but he didn't have any anchor for those
20 percentages. He said he was looking at certain source
21 documentation, but he wasn't able to tie those numbers to
22 any source documents.

23 Q. And you studied the documents in this case and
24 you've studied Mr. Nawrocki's report and in any of those
25 did you see any factual anchor for the percentages that

1 Mr. Nawrocki allocated to each of the boxes?

2 A. Right. So, not in that section there where it
3 says, "No Support For Claimed Percentages." I saw no
4 direct support for those numbers in the documentation.

5 Q. Okay. Now, we'll come back to the allocations to
6 playlists in the green box; but let me just ask you a
7 couple of questions about the resulting numbers that
8 Mr. Nawrocki got.

9 What did he do with the amount of profit that
10 he attributed to the patented invention?

11 A. Well, if you recall, he did all of these
12 multiplications, then got a range and took something
13 close to the midpoint of the range and said that the
14 profits attributable to the patents-in-suit here was
15 roughly 90 cents a unit. That was his opinion.

16 And then he said the royalty rate is 90 cents.
17 So, he took the profits that he said was attributable to
18 the patents-in-suit and said that will be the amount of
19 the royalty. And he took all 100 percent of that and
20 said that that would be the royalty that negotiators
21 would have agreed upon at the hypothetical negotiation.

22 Q. So, under Mr. Nawrocki's approach, Mr. Logan and
23 Apple, they didn't share or somehow divide the profits
24 that were supposedly attributable to the patent; is that
25 right?

1 A. That's correct.

2 Q. And what's the matter with that?

3 A. Well, the way I think about it is it's almost like
4 Mr. Nawrocki had only done half of the analysis. He had
5 done his allocations all of the way down to the 90 cents;
6 but I've shown that there's many reasons why the sales of
7 the iPod were as high as they were, all of the
8 contributions of Apple in terms of the R&D or the pricing
9 strategy or the advertising. And all of that caused that
10 ramp-up in sales.

11 Well, it's almost like as soon as Mr. Nawrocki
12 was taking that 90 cents and applying it to all those
13 units, then that implicitly is ignoring the contribution
14 to Apple -- of those sales. And that's a fundamental
15 difference of agreement to have with Mr. Nawrocki, that
16 Apple contributed to those unit sales but in a sense, in
17 Mr. Nawrocki's hypothetical negotiation, Apple doesn't
18 get any credit for that contribution.

19 Q. So, are there any other reasons why you disagree
20 with Mr. Nawrocki's royalty rate figures?

21 A. Well, there's a couple of other reasons.
22 There's -- over time he had given the 90-cents opinion.
23 Then in the March, 2009, he had given the dollar-thirty
24 opinion as to a per-unit royalty rate. And what's
25 interesting is that that second opinion, for the

1 dollar-thirty, was just for the '178 patent if the '076
2 was found not to infringe or if it's invalid. So, he's
3 only talking about the '178.

4 But that opinion was a dollar-thirty; so, it
5 had gone up from 90 cents to a dollar-thirty and for, you
6 know, a situation where we would be able to see all of
7 the contributions of Apple to the success of the product
8 at that point.

9 And also the reason why I'm saying that is we
10 know all the R&D, all the changes in the products, all
11 the increases in the size of the hard drive, all the
12 additional features; but he actually has the royalty rate
13 going up when you would expect the contribution of the
14 patents to the product would actually be getting smaller,
15 given the increases in the features of the products. So,
16 in my mind that was a contradiction, an inconsistency.

17 Q. So, let's talk about the green box over on the
18 right-hand side of this chart and, in particular, the
19 allocation that Mr. Nawrocki made to playlists. Do you
20 recall that?

21 A. Yes.

22 Q. Now, Mr. Nawrocki relied on certain surveys in
23 coming to those percentages; is that correct?

24 A. That's correct.

25 Q. Okay. Now, did you consider any of the

1 circumstances surrounding those surveys in reaching your
2 conclusions about Mr. Nawrocki's opinions?

3 A. Well, I was aware of, for example, Dr. Peterson's
4 survey, if that's what you're asking, yes.

5 Q. Yes. Okay. So, do you understand the purpose of
6 Mr. Peterson's surveys?

7 A. He was trying to really kind of figure out --
8 there's what he did do and what he didn't do, but he was
9 asking survey respondents questions about their use of,
10 for example, the playlist feature.

11 Q. Okay. And did Dr. Peterson testify about what his
12 survey did and did not mention?

13 A. Yes.

14 Q. Okay. So, I've called up Demonstrative 835. And
15 is this some of the deposition testimony from
16 Dr. Peterson that you relied on?

17 A. Yes.

18 Q. Okay. And can you tell us what this reflects?

19 A. Well, so, Dr. Peterson was asked a question in
20 this deposition.

21 "Question: And, so, it's fair to say then,
22 isn't it, that the results of the questionnaire that was
23 administered over the Internet would not provide results
24 that are specific to the patent claims of the Personal
25 Audio patents; is that fair?

1 "Answer: Correct. The focus was on the
2 playlist. It didn't go into anything in more detail."

3 Q. Would the same be true with respect to the Apple
4 surveys regarding playlists?

5 A. Yes.

6 Q. Was there further testimony from Dr. Peterson that
7 you relied on?

8 A. Yes. Here he was asked two more questions.

9 First question: "But the results would not
10 distinguish between parts of playlists that were
11 contributed by the Personal Audio patents as opposed to
12 parts that were contributed by Apple, for example; is
13 that correct?"

14 Answer: "That's correct."

15 Following question: "And the results of the
16 Internet surveys would not distinguish between parts of
17 the playlists that were contributed by the Personal Audio
18 patents as opposed to, for example, what was already in
19 the technological field before Personal Audio; is that
20 correct?"

21 "Correct."

22 Q. And what's the significance of this testimony, to
23 you?

24 A. Well, the easiest way to think about it is when I
25 put all of this information together, he's not --

1 Dr. Peterson in his surveys was not measuring the
2 incremental benefits associated with the patents in
3 dispute in this courtroom.

4 Q. And would the Apple surveys relied upon have the
5 same problems in this regard that Dr. Peterson's survey
6 did?

7 A. That's correct.

8 Q. So, Dr. Ugone, there's a pretty big difference
9 between your opinion in this case and Mr. Nawrocki's
10 opinion in this case; is that right?

11 A. Yes.

12 Q. And as an economist, are you here to tell us that
13 it's fair to do something like split the difference
14 between those two numbers?

15 A. No. Mr. Nawrocki has given his per-unit running
16 royalty rate opinion. When he multiplies that times the
17 number of units that were sold of iPods, he gets about
18 \$84.4 million. I've tried to explain why I don't feel
19 that that's correct. I've given all of the reasons of
20 all of Apple's contributions. I've talked about all of
21 the considerations that would be discussed by parties at
22 a hypothetical negotiation and the concept of a
23 freedom-to-operate license that had an aggregate amount
24 attached to it of no greater than \$5 million; and I've
25 explained the justification for that, both through some

1 of the license agreements, some of the sales, the offer
2 to sell, and the contributions of -- the relative
3 contributions of the parties. Based on the totality of
4 that, my opinion is that it's no more than \$5 million.

5 Q. Okay. So, let's go back to where we started. And
6 you told us that real-world facts matter. Do you recall
7 that?

8 A. Yes.

9 Q. Okay. So, what are the key data points that you
10 point to from the real world that shows where a
11 reasonable royalty in this case would have come out?

12 A. All right. So, as I mentioned before, in a sense,
13 what I'm trying to do is kind of triangulate on the value
14 of the license, what the license royalty rate would have
15 been. And, so, it's not just one piece of information;
16 but we have two Apple comparable licenses. We have the
17 playlist patent sale. We have the offer to sell the
18 Personal Audio patent portfolio and then also keep in
19 mind all of the other considerations that I had mentioned
20 very early on in my testimony in terms of the
21 contributions of the parties. So, it's really all of
22 that together that leads to my opinion.

23 Q. Okay. And your opinion, in conclusion, Dr. Ugone,
24 is what?

25 A. That there would have been a license agreement

1 agreed upon by the negotiators at the hypothetical
2 negotiation for a freedom-to-operate license of an amount
3 no greater than \$5 million.

4 Q. Okay. Thank you, Dr. Ugone.

5 MS. HUNSAKER: Pass the witness.

6 MR. SCHUTZ: Your Honor, may I approach?

7 THE COURT: You may.

8 MR. SCHUTZ: Dr. Ugone, I might be asking you
9 some questions about these.

10 THE WITNESS: All right. Thank you.

11 CROSS-EXAMINATION OF KEITH UGONE

12 BY MR. SCHUTZ:

13 Q. Good afternoon, Dr. Ugone.

14 A. Good afternoon.

15 Q. Prior to the start of this trial, you and I had
16 never met, had we?

17 A. That's correct.

18 Q. I did learn something during your direct testimony
19 today that you and I have something in common. We both
20 have sons who are captains in the U.S. military.

21 A. Okay.

22 Q. Your son's a Marine. Mine's an Army Ranger. So,
23 when this is all over and we're done butting heads --

24 A. We'll talk about it, yeah.

25 Q. And we are going to butt heads; but when we're

1 done, we'll talk about that.

2 When you are trying to put together your
3 opinion, is it fair to say that you'd rather have more
4 information to sift through than less?

5 A. I think generally that people in my position would
6 have -- like to have more information rather than less,
7 as long as it's relevant information that bears on the
8 problem being addressed, sure.

9 Q. You start with a whole bunch of information. You
10 put it in a funnel or a filter and you keep weeding out
11 stuff you don't consider and you get down to what you
12 think are the core things to consider, right?

13 A. Within the spirit of your question, I'll agree,
14 yes.

15 Q. Yeah. And, so, necessarily you're going to look
16 at some stuff and say, "Nah, I'm not going to consider
17 that. I'm not going to consider this, but this other
18 stuff I'm going to consider," right?

19 A. I'm not going to disagree with you. I would just
20 maybe say that rather than saying I'm not going to
21 consider it, I may not put as much weight on it as other
22 pieces of data.

23 Q. Do you think that there are some things that you
24 did not consider that might be relevant to the issue of
25 damages in this case?

1 A. I tried to do the best job that I could, and I've
2 explained to the jury the vast majority of what I was
3 relying upon and what formed my opinions.

4 Q. But would you concede, sir, that there could be
5 some stuff out there that you just might have overlooked?

6 A. I don't know what that is. If you'd like to show
7 me, that's fine.

8 Q. We'll get to that.

9 A. Yeah.

10 Q. All right. Now, are there some -- there are some
11 areas where you agree with Mr. Nawrocki, right?

12 A. We're going to have to go through those.

13 Q. Okay. But before we do -- we're going to do that
14 in just a second and I'm going to come back to this, but
15 this whole issue of his analysis and slicing and dicing
16 the numbers and getting down to a profit number -- and
17 you said he allocated the entirety of the profits to
18 Personal Audio, right?

19 A. Yes.

20 Q. And you have a problem with that, right?

21 A. Yes.

22 Q. Now, do you remember -- you've been sitting back
23 here the whole trial, right?

24 A. Yes.

25 Q. Do you remember all the discussion about one of

1 the key things that went into making the iPod a success,
2 according to Apple, was this small Toshiba hard drive,
3 right?

4 A. That was a very important piece of hardware to put
5 into the iPod, yes.

6 Q. Right. And that helped drive sales of this iPod
7 and helped drive profits, right?

8 A. It was one of a number of attributes to the
9 product when they developed the product and a core theme
10 was a thousand songs in your pocket and that comes from,
11 among other things, the Toshiba hard drive. So, I'm not
12 going to disagree.

13 Q. Great. And --

14 A. But there are other considerations as well, is all
15 I'm saying.

16 Q. Right, right. And Apple shared exactly zero --
17 zero -- of its profits with Toshiba, right?

18 A. I would never describe it how you just said that.

19 Q. Did they send any royalty checks to Toshiba? They
20 just bought the hard drive, paid for the hard drive, made
21 profits. Didn't share any of it with Toshiba, did they?

22 A. Toshiba set a market price for the hard drive.
23 Apple clearly paid the market price. That left a profit
24 with Toshiba. The market was determining what the
25 allocation would be. So, that's why I'm saying I

1 wouldn't say what you said.

2 Toshiba got a profit from the sale of
3 incremental iPods, but it was through their sale of the
4 hard drive to Apple and Toshiba was making a profit on
5 the hard drive. That's the correct economic way to
6 describe that. So, Toshiba was definitely sharing in the
7 commercial success of the iPod.

8 Q. And Toshiba got paid for every unit sold, right?

9 A. Well, there was a transaction across a market.
10 There was a physical good that was being transacted in a
11 market.

12 Q. But Apple made additional profits because of that
13 Toshiba hard drive, right?

14 A. You need to -- well, let's put it this way: That
15 was an input into the iPod. So, just like any company --
16 any company hires labor. Any company buys -- a car -- a
17 carmaker buys tires to put on the car, and then they sell
18 it to another consumer. The whole point is there is a
19 firm that collects resources -- you have to think about
20 what firms do. Not every firm makes every single little
21 item that goes into a product. Carmakers buy tires.
22 They buy carburetors. There's like 2200 different
23 suppliers to a carmaker. But what does a carmaker do?
24 They bring all of those resources together, take the
25 risk, and then sell a final product. That's just the way

1 the economic system works.

2 Q. And then make profits.

3 A. And then ultimately make profits because they're
4 taking that risk.

5 Q. Right. But it's -- you're not saying that
6 Personal Audio, for its contribution, should get none of
7 the profits, are you?

8 A. What I'm saying is that they should get the value
9 of the licensing agreement between a willing licensor and
10 a willing licensee.

11 Q. But one way to do that is to try to determine what
12 the profit that can be attributed to the patented
13 invention is. That's an appropriate way to look at this,
14 right?

15 A. Under certain circumstances.

16 Q. Right.

17 A. I didn't say in this circumstance. In some
18 circumstances that could be appropriate.

19 Q. Right. I mean, you think it's a lump sum; and
20 we're going to get into the per-unit issue in a minute.

21 But if per-unit royalties are an appropriate
22 measure of damages, one way to calculate the amount of
23 those is to start dividing, subdividing, and allocating
24 profits, correct?

25 A. I want to be very careful. That can be done. I'm

1 not going to disagree with that. But you have to make
2 sure the facts and circumstances warrant that sort of
3 consideration.

4 Q. Now let's go to Plaintiff's Exhibit 789, which is
5 in your book. You can look at it if you need to. But
6 Mr. Nawrocki went through a lot of work calculating the
7 number of units of the infringing products that have been
8 sold, right?

9 A. Yes.

10 Q. And you have not -- at least I don't think I saw
11 it in the report you wrote. You've not disagreed with
12 that work on Mr. Nawrocki's part, have you?

13 A. I had my calculation of the number of units, and
14 he had his. I don't remember any differences between the
15 two.

16 Q. If there were differences, they were
17 insubstantial. Is that a fair statement?

18 A. I would agree with that, yes.

19 Q. All right. And this is one of the documents --
20 Plaintiff's Exhibit 789 -- that Mr. Nawrocki used, right?

21 A. Yes.

22 Q. And then he summarized that in Plaintiff's
23 Exhibit 1073, which I --

24 A. Give me one second to catch up.

25 Q. I mean, you can look at it up here; but you were

1 here when Mr. Nawrocki put this summary on the board,
2 right?

3 A. Yes.

4 Q. And, again, at least for this part of what
5 Mr. Nawrocki did, you have no issue with how he
6 calculated the number of units sold by device by year,
7 correct?

8 A. I don't recall any substantial differences
9 between --

10 Q. So, we're okay with that, right?

11 A. Yes.

12 Q. All right.

13 MR. SCHUTZ: Your Honor, may I go into the
14 well and set up the easel?

15 THE COURT: You may.

16 BY MR. SCHUTZ:

17 Q. Dr. Ugone, I'd like to ask you questions about
18 this hypothetical negotiation. I mean, you've spent a
19 lot of time talking about that; and as I understand it,
20 you've got one way to illustrate that is with a table,
21 right, a bargaining table with somebody on one side and
22 somebody on the other side, right? (Illustrating.)

23 A. We've got a thin table there, but yes.

24 Q. My drawing is -- you know, I'm an engineer by
25 training and I'm one of those patent lawyers like

1 Mr. Cordell is -- he's over there -- and when we go to
2 parties, you know, people don't talk to us. Okay? But
3 anyway -- I don't draw very well.

4 So, on the one side of the table, we've got
5 the Logan Family Trust represented by Jim Logan, right?

6 A. Yes.

7 Q. And then he's negotiating with somebody on the
8 other side of the table, right?

9 A. Yes.

10 Q. And the person he's negotiating with in these
11 hypothetical negotiations is Concert Technology, right?

12 A. I'm confused.

13 Q. Well, it's -- the negotiations that are relevant
14 to the hypothetical negotiation are between Mr. Logan and
15 Concert, right?

16 A. And just a clarification. If you're talking about
17 for the hypothetical negotiation for the
18 patents-in-suit --

19 Q. Yes. That's what I'm talking about.

20 A. Okay. And I'm assuming you want to make a point
21 here, but there's Logan and Apple.

22 Q. Well, that's what I'm trying to understand. You
23 spent a whole lot of time talking -- I mean, all these
24 emails and this long timeline. And the only negotiations
25 you really talked about were these negotiations between

1 Logan and Concert. Is that not the right hypothetical
2 negotiation?

3 A. I think maybe you might have missed the point,
4 that that was one of the inputs into my determination
5 because we talked about a number of other considerations
6 as well.

7 Q. So, it's not Concert on the other side of the
8 table?

9 A. The hypothetical negotiation for the
10 patents-in-suit here is not Concert. That's correct.

11 Q. Okay. So, I should X them out. They're not at
12 the bargaining table with Mr. Logan, are they?

13 A. That's correct.

14 Q. Okay. It's really Apple that's at the bargaining
15 table, right?

16 A. It's Apple at the bargaining table, although we're
17 also trying to see what a prudent licensor and potential
18 licensee would be doing.

19 Q. Right. But, I mean, as between Concert and Apple,
20 as to who is sitting on the other side of the table in
21 the hypothetical negotiation, it's Apple; it's not
22 Concert?

23 A. There's a couple of different ways to look at it.
24 There's looking at it as what would the prudent licensor
25 and licensee be negotiating; but in our facts and

1 circumstances, I don't disagree it's Mr. Logan
2 negotiating on behalf of the Logan Family Trust and then
3 a representative of Apple negotiating.

4 Q. That's what I thought I asked. So, I got that
5 right, didn't I? It's Logan and Apple?

6 A. Yes. There was a little bit more specifics in
7 there, but I'm not going to disagree with what you said.

8 Q. And there are some things that you need to take
9 into account here, right? And one of the first things is
10 they're sitting at this table; the patents are infringed,
11 right?

12 A. That's the assumption of the hypothetical
13 negotiation, yes.

14 Q. And -- that's Number 1. And Number 2 is they're
15 valid, right?

16 A. That's correct. Those are the assumptions of a
17 hypothetical negotiation.

18 Q. Right. You have to assume that.

19 A. Yes.

20 Q. I mean, you're sitting there and Mr. Logan is
21 sitting here with a patent that Apple is deemed to have
22 infringed and that is valid, right?

23 A. Yes.

24 Q. And now I hate to come back to Concert, but you
25 talked a lot about Concert. None of that stuff --

1 Concert wasn't using the technology, right?

2 A. They had a desire to use the technology.

3 Q. What they had was a desire to take it as a
4 middleman and then try to license somebody else who might
5 actually need the technology because they were
6 infringing, right?

7 A. I'm having a hard time agreeing with your
8 question. What I can agree with is that Concert wanted
9 to purchase the technology in an attempt to monetize or
10 obtain licensing revenues by licensing it to others.

11 Q. Right. They wanted to buy cheap and sell high.

12 A. Frankly, as every buyer does.

13 Q. Right. But what Mr. Logan is doing here in his
14 hypothetical negotiation, he's going right to the end
15 user and cutting out the middleman.

16 A. I'm sorry. In the hypothetical negotiation for
17 the patents-in-suit --

18 Q. Right. He's cutting out the middleman.

19 A. -- that has to do with a negotiation between
20 Mr. Logan and Apple, yes.

21 Q. And then you mentioned one other thing that takes
22 place here, and that is they go in smart. Those are your
23 words, right?

24 A. Yes.

25 Q. So, the negotiators go in smart. That means,

1 among other things, that they've done their homework,
2 right?

3 A. Yes.

4 Q. And they're going to know certain things.

5 A. Yes.

6 Q. We're going to maybe come back to this.

7 Now, in the hypothetical negotiation the
8 product that would be talked about would not be a
9 playlist, right? The product that would be talked about
10 is what's covered by the '076 and the '178 patents,
11 right?

12 A. I would agree with that.

13 Q. And that's not a playlist, right?

14 A. I agree with that.

15 Q. It's an audio player with certain capabilities and
16 functionalities as defined by the court, right?

17 A. My understanding is that there are certain
18 descriptors one has to use to get what -- my
19 understanding of the claimed teachings of the patents.
20 So, I'll agree with you, yes. It's a long sentence.

21 Q. Right. But it's something you can pick up and
22 touch and hold, and you've got examples up there. It's
23 an audio player. It's a physical device, right?

24 A. You're going to have to explain to me -- I'm not
25 sure I understand your question.

1 Q. The patent covers a device, not a method, right?

2 A. I understand at least halfway of what you're
3 saying. I don't know that I would go so far as to say
4 it's a device. My understanding is that it has to do
5 with downloading playlists and having the ability to
6 navigate in a certain way after those playlists are
7 downloaded. So, it's a --

8 Q. A device that can do those things, right?

9 A. A player is involved; but it's very, very -- if
10 you want to call it a device, if we want to go in that
11 direction, it would be a very, very, very small portion
12 of what a device can do.

13 Q. I'm just talking about -- I'm trying to
14 distinguish here now as to whether we're dealing with a
15 device, player, however we might want to characterize it,
16 versus a method of doing something. Do you understand
17 the difference?

18 A. Yes, I do but I --

19 Q. You've testified in a lot of patent cases, haven't
20 you, sir?

21 A. Yes. I've testified before, yes.

22 Q. And you've testified in patent cases involving
23 methods, haven't you?

24 A. Yes.

25 Q. And you've testified in patent cases involving

1 products that you can touch and feel, right?

2 A. Yes.

3 Q. You know the difference, right?

4 A. Yes.

5 Q. This is a case involving products you can touch
6 and feel, not methods, right?

7 A. It's just that I would not have ever described the
8 contributions of the patents-in-suit using that
9 phraseology. I'm not going to disagree with you; but if
10 you want to go that direction and call it a "device,"
11 you've got to recognize the portion of the device -- so,
12 I'm going along with your question here -- the portion of
13 the device that goes along with the patents-in-suit
14 versus everything else we've been talking about.

15 Q. It's an audio player with functionality and
16 capabilities as defined by the court in its claim
17 construction, right?

18 A. We're now getting into some technical portions
19 that I'm less comfortable with; but I will give you my
20 understanding, which the patent covers this downloading
21 of playlists to a player and the ability to navigate
22 through that playlist in a certain way that has been
23 downloaded from, say, a server or another computer.

24 Q. Actually you haven't got that quite right, have
25 you? It's really an audio player with the capability to

1 do those things, right?

2 A. Don't disagree with that.

3 Q. All right. So, that's what we're talking about at
4 hypothetical negotiation, an audio player with certain
5 capabilities and functionalities as defined by the court.

6 I've been using shorthand for the pages and
7 pages of information that's "an audio player that can
8 receive or download navigable playlists." Do you have
9 any problem with that shorthand?

10 A. I think as we all -- as long as you've now said
11 that, I think we can move forward with that.

12 Q. All right. Now, Apple -- when you talk about "go
13 in smart," they would not have assumed that Mr. Logan was
14 stupid, would they?

15 A. No.

16 Q. Okay. And in your view of the world -- and you
17 had a demonstrative up there that actually showed a
18 negotiating table with Apple and Mr. Logan at it. Do you
19 remember that in your demonstrative?

20 A. Yes.

21 Q. They'd have done their homework on Mr. Logan,
22 right?

23 A. I'm sorry. Just ask the question again.

24 Q. They would have done their homework on Mr. Logan,
25 right?

1 A. Apple?

2 Q. Apple would.

3 A. Yes.

4 Q. Just as Mr. Logan would be deemed to have done his
5 homework on Apple, right?

6 A. Correct.

7 Q. So, Apple would have known, among other things,
8 that Mr. Logan had an MBA from one of the top business
9 schools in the country, right?

10 A. Yes.

11 Q. Dartmouth --

12 A. Yes.

13 Q. -- top school. You've heard of the top school,
14 Dartmouth?

15 A. Yes.

16 Q. That he worked for Arthur Andersen, one of the
17 largest accounting firms in the country. They would have
18 known that, right?

19 A. Yes.

20 Q. They would have known that he worked for Chemical
21 Bank in New York for a few years. They would have known
22 that, right?

23 A. Yes.

24 Q. They would have known that he started a company
25 called "MicroTouch" from scratch and took it from zero

1 sales to \$95 million in sales and zero employees to 600
2 employees. They would have known that, correct?

3 A. Yes.

4 Q. And they would have known that he had a couple
5 failures. They would have known that, too, right?

6 A. Yes.

7 Q. You ever heard of *Forbes* magazine?

8 A. Yes.

9 Q. Mr. Logan appeared on the cover of *Forbes*
10 magazine?

11 MS. HUNSAKER: Objection, your Honor. This is
12 beyond the scope of direct. This exhibit is not
13 admitted, and it's hearsay.

14 THE COURT: Okay. I'm going to overrule
15 beyond the scope. There has been no -- I'll wait until
16 there is an attempt to offer the exhibit before I rule on
17 that one.

18 And in the context of the hypothetical
19 negotiation, I will overrule the hearsay objection.

20 BY MR. SCHUTZ:

21 Q. Dr. Ugone, you're familiar with *Forbes* magazine,
22 correct?

23 A. Yes.

24 Q. It's one of the leading business magazines in the
25 country.

1 MR. CORDELL: Your Honor, may we have a brief
2 sidebar? I apologize. This gets into one of the MIL
3 issues that was squarely addressed at the pretrial
4 conference. During Mr. Logan's testimony, the issue came
5 up. Counsel --

6 THE COURT: Well, you'll recall that that one
7 is one of the ones that's already coming in with the
8 instruction as to how it can be viewed.

9 MR. CORDELL: The exhibit that I believe
10 counsel is talking about now, your Honor, has not been
11 offered previously; and the discourse about it had to do
12 with a very serious matter with respect to plaintiff's
13 case and plaintiff's witnesses and they vehemently
14 objected and produced a MIL with respect to our bringing
15 in any of those past acts and I believe that if they
16 pursue this line, we will then be entitled to re-call
17 that witness and go into those.

18 THE COURT: And that may be true depending on
19 how far he goes. You may be right about that.

20 MR. CORDELL: Thank you.

21 BY MR. SCHUTZ:

22 Q. Dr. Ugone, Apple would have known that on the
23 other side of the table with Mr. Logan was an
24 accomplished, experienced businessman, right?

25 A. Yes.

1 Q. Who had been -- who had some notable business
2 successes, right?

3 A. Yes.

4 Q. And was highly educated?

5 A. Yes. The negotiations would be over the
6 patents-in-suit; but they would know his background, yes.

7 Q. Now, there were -- are really in this case -- and
8 this is a little complicated.

9 There are two hypothetical negotiation dates
10 because the patents -- there are two patents; and they
11 issued at different times, right?

12 A. You're just going to have to be a little bit more
13 specific.

14 Q. Sure. The '076 patent issued in 2001, correct?

15 A. Yes.

16 Q. And, so, there is a hypothetical date in 2001.

17 A. Yes.

18 Q. And Mr. Nawrocki has assumed that if both the '076
19 and '178 are found to be valid and infringed, that that's
20 really the only date you need to worry about, right?

21 A. That's when the hypothetical negotiation would be,
22 yes.

23 Q. Right. But there is a scenario -- a possible
24 scenario under which the '076 patent is not infringed but
25 the '178 patent is.

1 A. Yes.

2 Q. And if that's the scenario, then the hypothetical
3 negotiation date is in 2009, correct?

4 A. That's correct.

5 Q. And again -- I'm going to talk about 2009. Apple
6 would again be aware of certain facts in 2009, right?

7 A. Yes.

8 Q. And one of the things that Apple would have known
9 is that in another lawsuit they actually had to rely on
10 some of Jim Logan's work to help them out. They would
11 have known that, right?

12 A. I'm not sure if -- how you want to deal with this,
13 but I'll accept that representation.

14 MS. HUNSAKER: Objection, your Honor.

15 THE COURT: What's the objection?

16 MS. HUNSAKER: This is the subject of a motion
17 *in limine*.

18 THE COURT: Which one?

19 MS. HUNSAKER: Regarding other lawsuits, your
20 Honor.

21 THE COURT: Do you have a number?

22 MS. HUNSAKER: 15B.

23 THE COURT: Of yours or theirs?

24 MS. HUNSAKER: Apple's motion *in limine*, 15B.

25 THE COURT: Sustained.

1 MR. SCHUTZ: I'm sorry. Did you say 15A?

2 MS. HUNSAKER: 15B.

3 MR. SCHUTZ: B.

4 THE COURT: If counsel decide they want to
5 argue that particular issue, we can take it up when we
6 get to the break in a few minutes.

7 MR. SCHUTZ: Sure.

8 THE COURT: Right now it is sustained.

9 MR. SCHUTZ: And I will want to argue that at
10 the break, your Honor. Thank you.

11 BY MR. SCHUTZ:

12 Q. Let's now talk, Dr. Ugone, about projections. All
13 right? Because projections are one of the things that's
14 relevant during the course of the hypothetical
15 negotiation, correct?

16 A. Yes.

17 Q. And the only projections in this case are -- that
18 you've relied on, come from one of the early Dulcimer
19 documents. I believe it's Defendant's Exhibit 42.
20 Right?

21 A. I'm not sure if it's Defendant's Exhibit 42 but I
22 do have a document in mind and I'm hoping we're thinking
23 of the same one.

24 Q. This was used during the -- your earlier
25 testimony; so, I think this is the one. I think there

1 are some projections in here. Let me see if I can find
2 them.

3 This is DX 42 which I believe you testified
4 about on direct. But if you go to page 9 of that
5 document, you will see some projections, right?

6 A. Yes. These are the ones that I was thinking of
7 when you asked the question.

8 Q. Right. My recollection is on your direct
9 testimony this is the sole extent of the projections you
10 relied on during your direct testimony, right? Did I
11 miss any other documents?

12 A. I did not allude to any other documents, if --

13 Q. Okay.

14 A. -- that's what you're asking.

15 Q. So, this is the estimate; and what we've got here
16 is something in a document put together by Apple that
17 talks about the worldwide business opportunity and has a
18 business forecast, right?

19 A. I'm sorry. That has a business --

20 Q. I'm sorry. It has a forecast for sales of
21 portable digital audio players.

22 A. Yes.

23 Q. And it says, "We expect Apple to capture 5 percent
24 of the market initially and grow very rapidly"; is that
25 right?

1 A. Yes.

2 Q. And is that something that Mr. Logan would have
3 been deemed to be aware of when he was sitting at the
4 negotiating table?

5 A. To the extent that there is expectations as to
6 future performance, yes.

7 Q. And the future performance we're talking about
8 here is just for digital audio players, right?

9 A. I'm thinking in terms of the equivalent of the
10 Dulcimer product or the P68. So, I believe that's a
11 "yes" to your question.

12 Q. And what you are suggesting in this case, though,
13 is that Apple gets what's called a "freedom-to-operate
14 license," correct?

15 A. Yes.

16 Q. And a freedom-to-operate license extends beyond
17 merely a digital audio player, right?

18 A. Well, they were licensing basically the
19 technology, yes.

20 Q. And, so, it would cover basically everything Apple
21 sold at that point and into the future, correct?

22 A. It would cover the products if they chose to put
23 the technology in their products, yes.

24 Q. And, so, what you have at this bargaining table is
25 you've got Mr. Logan saying, "I've got these patents."

1 And you've got Apple saying, "Great. We'll
2 pay for these patents, but we're not going to limit what
3 they" -- "they go in any product we've got" -- or "can go
4 in any product we've got."

5 A. That's right. They would negotiate for the option
6 to put it in products that would be developed in the
7 future, yes.

8 Q. And their entire current fix of products, right?

9 A. Are you talking about the iPods?

10 Q. No. I'm talking about the freedom-to-operate
11 license which you think -- as I understand your opinion,
12 is that it would have been a lump sum for a
13 freedom-to-operate license.

14 A. Yes. I just wanted to make sure we had a clear
15 discussion here. It's a freedom-to-operate license; and
16 if they choose to put the technology in a product, then
17 they would have the freedom to do that under the
18 licensing arrangement, yes.

19 Q. So, under that licensing arrangement, they could
20 have put it in their Mac computers or anything else they
21 made, right?

22 A. If it made sense to do so.

23 Q. And there are no projections on other products
24 that Apple would have the right to incorporate this
25 technology in, right?

1 A. There's no projections here. That's correct.

2 Q. So, there are no --

3 THE COURT: Counsel, we're going to go ahead
4 and take a break.

5 Ladies and gentlemen, I'll ask you to be back
6 at quarter past.

7 (The jury exits the courtroom, 2:01 p.m.)

8 THE COURT: You may step down, sir.

9 Now, the earlier motion *in limine* was to keep
10 out discussions or references to Apple litigation; and
11 the court had concluded that under 403, that the danger
12 of confusion of the issues and misleading the jury
13 substantially outweighed the limited probative value of
14 that.

15 You've indicated you have some reason to try
16 to get into or talk to him about the fact that they were
17 involved in other litigation. What is that?

18 MR. SCHUTZ: Your Honor, what I intended to do
19 was point out that as of the date of the second
20 hypothetical negotiation, Apple had relied on one of the
21 related patents, the '827 patent, as prior art in a case
22 and, so, would have given some credence to his -- it's
23 the same disclosure basically as the patents-in-suit
24 here. And he spent his whole time saying, you know, it's
25 not worth anything and downplaying the value of

1 Mr. Logan's technology; and here we've got Apple actually
2 citing one of Jim Logan's patents in defense of a case as
3 prior art to a -- it's the *Individual Networks* case.

4 Was it *Individual Networks*?

5 THE COURT: Okay. That might be relevant if
6 we did not already have the assumptions of infringement
7 and validity. I know that when they're testifying,
8 experts try to sometimes downplay those; but if they were
9 defending a doctoral thesis, if someone asked him what an
10 assumption was, it's a fact. It doesn't get changed.
11 That's what's there. You don't get to say, "Oh, it's
12 just kind of a guess," like everyone else does in the
13 world. Assumption in this kind of analysis makes a
14 difference.

15 So, the fact that he's smart or not smart --
16 he could be dumb as a log. His personality doesn't enter
17 into it when you have an assumption of validity and an
18 assumption of infringement and an assumption of going in
19 smart, as you put it, or total knowledge. So, as I
20 pointed out earlier during one of the breaks, that
21 hypothetical negotiation is the reasonable prudent
22 licensor and the reasonably prudent licensee. And, yes,
23 I will grant you that sometimes there is language in
24 various opinions where they get away from that; but
25 they're not focusing on the damages side of the equation.

1 So, I will sustain the objection.

2 MR. SCHUTZ: Thank you, your Honor.

3 MR. CORDELL: Your Honor, may I raise one more
4 issue?

5 THE COURT: Yes.

6 MR. CORDELL: Over the weekend the court may
7 have seen press reports about a deal whereby a consortium
8 of companies took the remaining patent portfolio of the
9 bankrupt Nortel estate. And the numbers reported are --

10 THE COURT: I've got to tell you this weekend
11 I was not watching news about patent stuff. This was the
12 4th of July.

13 MR. CORDELL: Come on, your Honor. Why not?
14 I mean, it just seems --

15 THE COURT: Like you said, you're both
16 engineer patent attorneys.

17 MR. CORDELL: Our worry is twofold. Number 1,
18 there is always a risk that a juror saw it and the court
19 gives its admonitions and we hope that the jury will take
20 those to heart.

21 But I asked Mr. Schutz if he was going to get
22 into that. He assured me that unless we opened the door,
23 he would not. It doesn't sound like we've opened the
24 door to that deal but I just wanted --

25 THE COURT: No. We're not getting into that

1 deal, nor are we getting into the -- what is it -- Nokia?

2 MR. SCHUTZ: Nokia.

3 THE COURT: That's not coming in, either --

4 MR. CORDELL: Thank you.

5 THE COURT: -- for the same reasons. Nokia
6 was a settlement of any number of lawsuits and
7 cross-suits worldwide and this other -- to have to now go
8 into was it a distressed sale, was it a nondistressed
9 sale, is it comparable, is it noncomparable, under 403,
10 the extreme danger of confusion of the issues
11 substantially outweighs any limited probative value that
12 might have.

13 MR. CORDELL: Thank you, your Honor.

14 THE COURT: Okay. I think that covers all of
15 the objections that were up.

16 MR. STEPHENS: Your Honor, if I may, there are
17 a few that may come up if Dr. Almeroth testifies between
18 this break and the next one. I don't know if you want to
19 address it now or --

20 THE COURT: Are you talking about the various
21 exhibits?

22 MR. STEPHENS: There is an exhibit objection.
23 There is a more general objection about whether or not he
24 can testify again about infringement.

25 THE COURT: All right. As to both exhibits

1 and as to that, a plaintiff is allowed some rebuttal. I
2 don't generally allow lots and lots, but some limited
3 amount of rebuttal can be added in there. I mean, we
4 could have him re-called after -- well, actually he will
5 be -- no, no, he won't -- yeah, he does actually get
6 re-called after you rest, right?

7 MR. STEPHENS: Well, this will be his rebuttal
8 testimony, your Honor.

9 THE COURT: Well, technically you have the
10 burden of proof on validity. You got to go first. It's
11 really --

12 MR. STEPHENS: We have no objection to him
13 testifying in rebuttal on invalidity. It's simply
14 infringement.

15 THE COURT: And I would normally allow a
16 plaintiff some limited amount of rebuttal testimony in a
17 case. We're not going to reopen and rehash everything.
18 But, yes, I'll allow some on infringement. It's not
19 going to go on very far, but at this point I'll overrule
20 that. If it starts going on too far, raise the objection
21 again.

22 MR. STEPHENS: Okay. I'll object to the
23 exhibits that are offered.

24 There is one other point, your Honor, that I
25 think needs to be raised outside the presence of the

1 jury; and that is again the reexam. I believe
2 Dr. Almeroth is going to express opinions and testimony
3 that he also offered to the Patent Office, and the Patent
4 Office explicitly rejected it.

5 It seems to me that if he does that, he opens
6 the door to some discussion about the fact that the
7 Patent Office did, in fact, find the other way with
8 respect to those particular opinions --

9 THE COURT: Well, unless he was to say, "The
10 Patent Office agrees with me" or something like that, the
11 fact that they do or do not agree, that's the whole point
12 of this trial, is that -- as a matter of fact, I think
13 y'all have argued a couple of times "Just because the
14 Patent Office has granted this patent doesn't mean
15 they're worth anything. They're way too busy"; and
16 they're both -- I mean, you haven't used the word
17 "slovenly" yet or "unqualified"; but that's what you've
18 tried to imply, which you should as a good attorney.

19 MR. CORDELL: In my defense, your Honor, that
20 was the other side that said that, but yes. I was --

21 THE COURT: Well, no. I think you've gotten
22 into the idea that this patent shouldn't be -- these
23 patents shouldn't be valid because what a crummy job they
24 do and that's why they're here.

25 So, you all get to argue that; but we're not

1 getting into the reexam, again for the same reason as
2 I've said before under 403, I find that the fact that
3 some administrative body somewhere and even if it's gone
4 up a little higher -- but if it hasn't yet reached the
5 Federal Circuit, their decisions and analysis under the
6 rules they operate under, any limited probative value of
7 that is substantially outweighed by the danger of
8 confusion of the issues and misleading the jury.

9 The jury has got to make this decision. I'm
10 not going to get into, "Well, someone else has already
11 made it for you. Why don't you take five minutes, flip a
12 coin, and go home." That's not their purpose here. So,
13 I'll overrule that.

14 MR. STEPHENS: Thank you, your Honor. Do I
15 take it that we need not offer the exhibit to preserve
16 our point?

17 THE COURT: The exhibits on -- what, the --
18 the reexam?

19 MR. STEPHENS: The reexam.

20 THE COURT: No. You've preserved your point
21 on that. I'm not letting the reexam in before the jury.
22 If you want to make an offer of proof, fine but --

23 MR. STEPHENS: I understand, your Honor.
24 Thank you.

25 THE COURT: All right. We're going to take a

1 break.

2 Would you tell the jury that we'll be coming
3 back at 20 past instead of quarter, so everyone has a
4 little bit of time.

5 (Recess, 2:10 p.m. to 2:20 p.m.)

6 (Open court, all parties present, jury
7 present.)

8 BY MR. SCHUTZ:

9 Q. Doctor, we're going back to these projections. At
10 the time of the hypothetical negotiation, did you assume
11 that Apple would have thought the product would be
12 successful or not successful?

13 A. I assumed that -- two-part answer -- that they had
14 confidence in their ability to make a successful product,
15 but there was uncertainty in the marketplace as to
16 whether others would agree with them. Those are the
17 facts.

18 Q. So, was it going to be successful or not
19 successful?

20 A. I've given you my answer. Apple believed in their
21 capability to make the product successful, but there was
22 uncertainty in the marketplace from analysts' point of
23 view as to whether the timing and the price of the
24 product was proper given the economic conditions.

25 Q. Well, let's go through both of them. So, let's

1 take it that it's not going to be successful. If the
2 product was not going to be successful and Apple were to
3 only sell, you know, a few hundred thousand, maybe even a
4 million units, from an economic perspective, they would
5 have been a whole lot better paying 90 cents a unit than
6 \$5 million, right?

7 A. Well, I mean, the dollar amounts would be
8 different; but as I tried to explain before, the nature
9 of the product and the nature of what was going on here
10 takes us towards the lump-sum agreement rather than a
11 running royalty rate.

12 Q. I know. But that wasn't my question. I'm talking
13 about the Apple -- we assume Apple is a rational economic
14 entity, right?

15 A. Yes.

16 Q. They are a publicly-traded large corporation
17 that's supposed to maximize profits for shareholders,
18 right?

19 A. Yes.

20 Q. All right. So, if Apple really thought this
21 wasn't going to be successful and they might only sell,
22 you know, a million units or so, if they had paid
23 90 cents a product, they would only have to pay 900,000
24 instead of 5 million. So, from an economic standpoint,
25 they would have been a whole lot better off at paying

1 90 cents a unit as opposed to paying a lump sum, right?

2 A. Here's where we can agree. 900,000 is less than
3 5 million. I'm not going to disagree with the math on
4 that. But that's math that doesn't take into account all
5 of the considerations in the hypothetical negotiation.
6 But I'm not going to disagree with your math.

7 Q. All right. Well, let's go the other way, then,
8 which is it's going to be wildly successful and it's
9 going to sell tens and tens and tens of millions of
10 these. And Mr. Logan would know that, right, if we go
11 with that assumption?

12 A. If that was his reasonable expectations at the
13 time, yes.

14 Q. So, we've got Mr. Logan sitting there looking into
15 the crystal ball seeing the same thing that Apple does,
16 that this thing is going to sell a lot; and, in fact, we
17 know that through sometime in 2010, they've sold
18 93 million units. And Mr. Logan, under that fact, would
19 look into his crystal ball and say, "Oh, I'll just take a
20 little bit of money now; and I'm not going to share the
21 risk and the upside with Apple"? That's your testimony,
22 right?

23 A. My testimony is that what you're saying does not
24 take into account the considerations at the hypothetical
25 negotiation in terms of what are the drivers of the

1 sales, in terms of the R&D, the marketing, the pricing
2 strategies, the Apple brand name, everything that would
3 contribute to the future sales.

4 Q. Well, let's go and look at some of those things.
5 You had a chart you put up there. This was that scroll
6 wheel. You talked about scroll wheel and the fact that
7 Apple has a patent on the scroll wheel, right?

8 A. Within the context of the easy-to-use interface,
9 yes.

10 Q. Do you recall whether or not Apple would have had
11 that knowledge when they were sitting at the hypothetical
12 negotiation?

13 A. I'm not sure if I remember the exact date of the
14 patent, but it was a innovative concept at this point.

15 Q. Well, I actually -- we can figure out the date of
16 this patent, right? Because it's in the exhibit book
17 you've got up there given to you by your counsel. There
18 it is (indicating), Defendant's Exhibit 199.

19 And if we enlarge this, we can see that this
20 patent has an effective filing date back in -- filed in
21 October, 2001. But it doesn't issue as a patent. So,
22 Apple is sitting there without a scroll wheel patent
23 because the scroll wheel patent doesn't issue until 2007,
24 right?

25 A. That's correct.

1 Q. All right. So, they're sitting there. They're
2 not able to say to Mr. Logan, "Hey, we've got this great
3 patent on a scroll wheel." They can't say that to him,
4 can they?

5 A. They can't say it's a patent, but it's clearly an
6 innovative design.

7 Q. But it's not protected. It's not protected until
8 the patent issues, right?

9 A. I see that, yes.

10 Q. Now, another thing that you talked about was this
11 fast connectivity FireWire. Do you see that?

12 A. Yes.

13 Q. Apple abandoned the use of that a few years later,
14 right?

15 A. Well, let's be a little careful. They did switch
16 over to the USB approach; but my understanding was at the
17 time the iPod came out, that this was the fastest way to
18 do it. Then there was a change in technology that made
19 the USB approach faster.

20 Q. And Apple did not invent USB, right?

21 A. No.

22 Q. USB 2.0, which is what they went to, is a
23 standard.

24 A. Yes.

25 Q. And somebody else contributed to that technology.

1 Apple just adopted it, right?

2 A. I don't disagree with what you said.

3 Q. Now, when we're sitting at the hypothetical
4 negotiation table, Mr. Logan has a patent on an audio
5 player with the capabilities defined by the judge, in the
6 shorthand that we've just talked about, this capability
7 to download and receive navigable playlists, right?

8 A. I'll accept your representation.

9 Q. Apple in 2001, sitting at that table, has no
10 patents on an audio player at that scope, right?

11 A. They had developed a brand-new product; so, yes, I
12 will agree with you, I think.

13 Q. Developed a brand-new product almost five years
14 after Mr. Logan and his colleagues went to the Patent
15 Office and applied for their patent, right?

16 A. I'm not sure if I understand your question but in
17 terms of timing, yes, there was the filing of the
18 '076 patent and then later there was the development of
19 the iPod, yes.

20 Q. I think just one final question on this
21 hypothetical negotiation and we're going to move on to
22 something else.

23 But as I understand your testimony, the
24 payment of up to \$5 million would cover the number of
25 units sold by Apple in the future regardless of the

1 number of units, right? I mean, it would cover all of
2 the units sold in the future, right?

3 A. You make a one-time payment that covers, yes,
4 future --

5 Q. Whether it was a million units, 10 million units,
6 a hundred million units, or a billion units, right?

7 A. Yes, and that's not an uncommon license.

8 Q. And you think that Mr. Logan would have bit at
9 that opportunity?

10 A. Considering the various parties, yes.

11 Q. But there are some other things you've looked at
12 in coming to your conclusions, right?

13 A. Yes.

14 Q. One of the things you looked at were -- and
15 considered were two comparable licenses, right?

16 A. Yes.

17 Q. One to E-Data and one to Digeo, correct?

18 A. Yes.

19 Q. And those are pretty important to your analysis,
20 aren't they?

21 A. They're clearly an input, yes, in terms of the
22 license agreements and the quantitative information we
23 were showing. Yes. They were two of the four data
24 points I showed, but there were other considerations as
25 well.

1 Q. We're going to get to those, too. But your view
2 is that these licenses -- in fact, you have a couple
3 charts on it. Your view is that these are comparable to
4 the license that would have been negotiated in this case,
5 right?

6 A. I would say that I'm relying on Dr. Wicker that
7 they are technologically comparable and then I take that
8 assumption and work with the economics of it, yes.

9 Q. So, you look at comparability from two
10 standpoints, right? Technology and kind of the economics
11 or terms and conditions of the license; is that right?

12 A. Yes.

13 Q. All right. So, let's start with the E-Data
14 patent. And in the binder, Defendant's Exhibit 282 --
15 see that? Now, this is actually 282A.

16 A. I'm sorry. Just bear with me. I have a
17 two-eighty --

18 Q. Yeah. Let's actually use the one in my book.
19 It's 282. Let me pull that up a second.

20 282 is slightly different than the 282A. 282
21 actually has a cover letter from E-Data to Apple. It
22 sends a fully-executed copy. Do you see that?

23 A. "Enclosed is the executed license agreement," yes.

24 Q. And you've seen this document before, correct?

25 A. Yes. Yes.

1 Q. And it's sent to Mr. Richard Lutton at Apple,
2 right?

3 A. That's correct.

4 Q. Otherwise known as "Chip Lutton," right?

5 A. I can't speak to that.

6 Q. This is the same Mr. Lutton that Mr. Logan
7 testified about talking with when he was on the stand,
8 right?

9 A. Yeah.

10 MS. HUNSAKER: Objection, your Honor.
11 Hearsay. It was excluded.

12 MR. SCHUTZ: There was no document we
13 introduced, judge, but --

14 THE COURT: Wait. Wait. Let's pull it down.
15 And your objection --

16 MS. HUNSAKER: The testimony from Mr. Logan
17 that Mr. Schutz is referring to was excluded by
18 your Honor based on a hearsay objection during
19 Mr. Logan's testimony.

20 THE COURT: And the letter is coming -- who is
21 the signator of that?

22 MR. SCHUTZ: E-Data sending the executed
23 license he relied on to Mr. --

24 THE COURT: Sustained.

25 *

1 BY MR. SCHUTZ:

2 Q. I want to ask you some questions about this
3 license agreement, Dr. Ugone. And let's go to 282A which
4 is in the book that your lawyer gave to you. All right?

5 A. Just bear with me one second.

6 Q. Sure.

7 A. I am there.

8 Q. And you think this license is a comparable
9 license, right?

10 A. Well, I've described the technical side, I'm
11 relying on Dr. Wicker; and then I used that input and
12 drew economic inferences from that.

13 Q. So, let's take a look at Appendix 1. You
14 understand that Appendix 1 is a list of E-Data patents;
15 and it says "partial list," right?

16 A. Yes.

17 Q. But these are the only ones identified, correct?

18 A. That's correct.

19 Q. And, in fact, you talk in your report at some
20 point about this patent, U.S. patent 4,528,643, correct?

21 A. Yes.

22 Q. And in terms of the technological comparison
23 between that patent and the Logan patents, that's the
24 patent that was used for the comparison, right?

25 A. I'm relying on Dr. Wicker for the comparison.

1 Q. Right. But you understand the comparison he did
2 was with this U.S. Patent Number 4,528,643, correct?

3 A. What I'll call the "'643 patent." That's my
4 understanding, yes.

5 Q. Okay. And let's just take a look at that a
6 second. That's at Defendant's Exhibit 184.

7 A. In which book?

8 Q. In the big thick one that I gave you.

9 Let me know when you're there.

10 A. Okay. I'm there.

11 Q. This patent was applied for on January 10th, 1983,
12 correct?

13 A. Yes.

14 MR. SCHUTZ: Your Honor, under Federal Rule of
15 Evidence 201, I'd like the court to take judicial notice
16 that this patent was expired at least by January 10th,
17 2003.

18 THE COURT: Any objection? It's 20 years
19 later -- or '85 -- or 2005. I'm sorry.

20 MR. SCHUTZ: Well, the 20 years would be from
21 the filing date or 17 years from the issue date. I'm
22 giving them the benefit of the 20 years, Judge.

23 MR. CORDELL: Subject to any term extensions,
24 your Honor, which we can't tell from this document.

25 THE COURT: All right. I will -- at this time

1 I'll take notice that it would have expired within
2 20 years of the filing date.

3 BY MR. SCHUTZ:

4 Q. So, Dr. Ugone, this patent would have been expired
5 by January 10th, 2003. Do you have that date in your
6 mind?

7 A. Yes, I do, under your -- under the assumptions
8 we've been talking about, yes.

9 Q. Well, right now it's a judicial notice fact.

10 A. Okay.

11 Q. Okay?

12 A. I'll accept it.

13 Q. So, let's go and take a look at the date of the
14 document, which is -- the date of the license agreement
15 is July 23, 2004. Do you see that?

16 A. I'm sorry. I'm going back to 282A?

17 Q. 282A.

18 A. I see that.

19 Q. So, I'm just trying to understand, you know, what
20 you're testifying here. You're saying that an agreement
21 between Apple and E-Data on a patent that has expired is
22 equivalent to an agreement between Apple and Mr. Logan on
23 a patent that has basically at least 15 years left to run
24 on it?

25 A. I would say two things. One, this is just one

1 input into my analysis --

2 THE COURT: Okay. You need to speak up into
3 the microphone.

4 THE WITNESS: I'm sorry. I'm sorry.

5 A. I'm sorry. Two things. One, this is one input
6 into my analysis. Obviously the parties made an
7 agreement with respect to a license agreement and
8 mentioned that patent.

9 The information I don't have, which I'll
10 admit, is the expiration dates on some of the other
11 patents that are also listed in that appendix that you
12 showed to me.

13 BY MR. SCHUTZ:

14 Q. You don't have any of that information, right?

15 A. I don't have that information, but I do know the
16 parties entered into an agreement.

17 Q. Right. And so --

18 A. And I'm sorry. I wasn't quite done.

19 Q. Okay. Go ahead.

20 A. My reading of the patent is that it would cover
21 sales into some of the territories where those other
22 patents would be relevant.

23 Q. Foreign sales?

24 A. Yes.

25 Q. Well, this case isn't about foreign patents.

1 A. I know it's not about foreign patents, but it is a
2 license agreement that covers all of Apple's products and
3 has an aggregate cap on it.

4 Q. But the only patent that was looked at, the only
5 U.S. patent specifically called out here, is one that's
6 expired, right?

7 A. I don't disagree with that.

8 Q. Okay. And you never bothered asking or looking
9 into that before you gave your opinion on this license?

10 A. I did not -- I did not have this information.

11 Q. Now, this license agreement is really a license
12 relating to *iTunes*, right, not iPods?

13 A. It does mention sales through *iTunes* in the
14 license agreement.

15 Q. There's no mention in this license agreement about
16 iPods, right?

17 A. It doesn't mention iPods. Does mention *iTunes*.
18 But remember what we were saying before -- and this was a
19 discussion we were having -- that this is a
20 freedom-to-operate license that would cover all products.
21 And I'm also relying upon the comparability opinion from
22 Dr. Wicker.

23 Q. Okay. You've been here, again, for the whole
24 trial, right?

25 A. Essentially. There was the Thursday-Friday I

1 wasn't here. Then I was here all last week, and
2 obviously I was here today.

3 Q. Okay. I lost count of the number of times that
4 Apple's lawyers jumped up and said, "This case is not
5 about *iTunes*." They jumped up repeatedly and said that,
6 right?

7 A. I heard that, yes.

8 Q. But this license you think is comparable is an
9 *iTunes* license.

10 A. Actually I said something different, and I can
11 repeat my --

12 THE COURT: Okay. You need to speak into the
13 microphone, please.

14 THE WITNESS: I'm sorry. I apologize.

15 A. I actually said something different. I was
16 relying on Dr. Wicker for comparability. He explained
17 that during his testimony. They do mention some *iTunes*
18 essentially sales in this license agreement but it's also
19 a freedom-to-operate license that Apple, after signing
20 this license agreement, could do whatever they wanted
21 with the technology and put it into any product they
22 wanted and they would be willing to do that and E-Data
23 would be willing to do that for the \$500,000.

24 BY MR. SCHUTZ:

25 Q. And --

1 A. So, those were the probative facts that I was
2 taking from the license agreement.

3 Q. And the \$500,000 comes in two pieces, a
4 250,000-dollar up-front piece and then \$250,000 if
5 certain economic considerations are taken into account?

6 A. I'll go with your statement. I would describe it
7 differently, but sure.

8 Q. Or certain sales, based on certain sales of
9 something defined in here we'll get to, then they may
10 have to pay an additional two-fifty, right?

11 A. Right. And then it's capped, yes.

12 Q. And all of the sales that are described in here,
13 those are sales in Canada or Europe, right?

14 A. That's correct, yes.

15 Q. So, we're not talking about a license that has to
16 do with U.S. sales.

17 A. No. Doesn't -- well, there's the U.S. component.
18 There's the foreign component. I was giving both to be
19 conservative to include the two fifty -- the second
20 250,000 to give the 500,000-dollar cap rather than coming
21 in with a lower number at 250,000.

22 Q. Right.

23 A. So, that was my thinking.

24 Q. Right. And that 250,000, that's for that expired
25 patent that Apple doesn't need a license to.

1 A. Plus, it covers all of the products and the
2 foreign sales as well; so, we're looking at the economic
3 dimensions here.

4 Q. Right. But in terms of the U.S., which is what
5 we're talking about in this case, Apple did not -- of the
6 only U.S. patent listed in this license, Apple didn't
7 need to pay anything for it; and, yet, they forked out
8 \$250,000 for a patent that was expired?

9 A. I can't speak to what Apple did or did not need to
10 pay for in terms of the U.S. side.

11 Q. Well, let's move on to the next agreement, which
12 is the Digeo agreement. I believe that that's
13 Defendant's Exhibit 178.

14 A. I'm sorry. Is that in the black notebook or the
15 white notebook?

16 Q. Just a second.

17 That, Dr. Ugone, should be in the small
18 notebook.

19 Oh, it's 278. I'm sorry. I misspoke. It's
20 278. So, it's in the big one, the big binder, 278.

21 Are you there, sir?

22 A. Yes.

23 Q. And this agreement talks about certain Digeo
24 patents, right?

25 A. Yes.

1 Q. And that's under the "Digeo Patents," Section 1.2,
2 right?

3 A. Yes.

4 Q. And it's got three patents listed there, correct?

5 A. That's correct.

6 Q. And you relied on Dr. Wicker to say that those
7 were comparable to the patent that Mr. Logan has, right?

8 A. Yes.

9 Q. So, why don't we just take a quick look at those.
10 Let's start with Defendant's Exhibit 186. Okay? This is
11 one of the patents -- this is one of the Digeo patents,
12 right? You do a cross-reference.

13 A. Yes. I'm there.

14 Q. All right. And this patent has to deal with
15 point-of-sale delivery systems, right?

16 A. The title is "Systems and Apparatus for Electronic
17 Communication and Storage of Time Encoded Information."

18 Q. And it specifically talks about these
19 point-of-sale distribution systems in the abstract,
20 right?

21 A. They do use that term in there, yes.

22 Q. And then if you go look at the drawings, there's
23 actually a picture of one of the embodiments right here.
24 It's this kind of space-looking thing. I'm not sure
25 exactly what it is. That's what this patent is about,

1 right?

2 A. That is one of the embodiments.

3 Q. Right.

4 A. That's not to say it might not have other
5 implications.

6 Q. But anyway, this is the patent that's supposed to
7 be technologically like the Logan patents, right?

8 A. One of the patents.

9 Q. Okay. Let's go to the next one, 187. And let's
10 look at the --

11 THE COURT: Are you talking about Defendant's
12 Exhibit 187?

13 MR. SCHUTZ: Yes, your Honor. Thank you.
14 Defendant's Exhibit 187.

15 BY MR. SCHUTZ:

16 Q. Let's look at the abstract here and see what it
17 says about this. This has got a lot of discussion about
18 book bank facilities and different geographic locations
19 and electronic duplication information and periodicals
20 and books. Do you see all that?

21 A. I do see that, yes.

22 Q. And that's another patent that's supposed to be
23 comparable, right?

24 A. Yes. I believe Dr. Wicker described it as
25 "organizing and downloading information and materials

1 from a central location."

2 Q. Were you here during his testimony?

3 A. Yes.

4 Q. Did he ever flash these patents up here and walk
5 through them?

6 A. I don't recall him putting the patents up but --

7 Q. I don't either.

8 A. -- I thought someone on cross may have put one of
9 the patents up, but I'm not sure.

10 Q. Okay. But anyway, he really didn't spend any time
11 kind of walking us through how they're comparable to the
12 patents-in-suit, did he?

13 A. My recollection is that he had a couple of slides
14 on it and gave his explanation of why he thought they
15 were comparable.

16 Q. He had some *PowerPoint* slides but didn't really go
17 into the actual documents themselves, right?

18 A. I don't recall him going into the patent.

19 Q. Yeah. And that's what we're going to do here and
20 we've done twice and we're just going to go to this one.

21 Now, this one, in the abstract again, talks
22 about --

23 THE COURT: Okay. Is this Defendant's
24 Exhibit 188?

25 MR. SCHUTZ: Yes, it is, your Honor. Thank

1 you.

2 BY MR. SCHUTZ:

3 Q. And, so, this here is, again, talking about
4 point-of-sale delivery systems. It talks about this book
5 bank subsystem and a promotional delivery system. Do you
6 see that?

7 A. I do, and I do see the point of sale. Again I'll
8 make my comment about relying on Dr. Wicker. And he
9 thought they were technically comparable and also what
10 the license agreement also says as well, that these -- to
11 me, in my reading of the license agreement, that the
12 license agreement goes beyond what you're pointing out in
13 these patents.

14 Q. Did you actually have a discussion with
15 Dr. Wicker?

16 A. Yes.

17 Q. Did you ask him, "Say, Dr. Wicker, is there
18 anywhere in these patents that talk about an audio player
19 that can receive a download playlist that you can
20 navigate through?" Did you ever ask him if that was in
21 there anywhere?

22 A. You know, I don't know that I can say I've said
23 those exact words but we did have a discussion about what
24 made the patents comparable and that's where he said to
25 me this concept of organizing and downloading information

1 or materials from a central location, for example.

2 Q. All right. And you're really not qualified to go
3 in here and find if it says anything about an audio
4 player and playlists, right?

5 A. I'm not the technical person, and that's why I
6 also have some hesitations when you're pointing out just
7 a portion of this and a point-of-sale machine. When I'm
8 reading the license agreement, there are some aspects of
9 the license agreement that tell me there is something
10 very different in these patents.

11 Q. So, we'd have had to rely on Dr. Wicker to walk us
12 through these patents so that we'd understand that,
13 right?

14 A. Subject to what I just said, yes.

15 Q. All right. Now, you have -- let's just talk about
16 surveys for just a second here. Apple does a lot of
17 surveys, right, sir?

18 A. Yes.

19 Q. And they spend a lot of money on surveys, right?

20 A. I can't speak to how much money they spend on
21 surveys but they do conduct surveys and that was part of
22 the documents that were available in this case.

23 Q. They spend about \$20 million a year on surveys.

24 A. You know, I think I have heard somebody say that
25 to me before; but I was not able to independently verify

1 that. So, I don't know.

2 Q. But you recall acknowledging that in a trial, in
3 previous trial testimony?

4 A. I remember -- frankly, maybe you have it in front
5 of you and you can talk to me about it. But I remember
6 hearing somebody say that to me, and that's the best I
7 can do.

8 Q. Let's talk a little bit about some other license
9 agreements. I'd like to talk about Plaintiff's
10 Exhibit 11, Plaintiff's Exhibit 12, and Plaintiff's
11 Exhibit 13. They're in your book.

12 MS. HUNSAKER: Objection, your Honor.

13 MR. SCHUTZ: These have been admitted.

14 MR. CORDELL: Lacks foundation, subject to
15 Motion *in Limine* 21. These are unexecuted agreements.
16 There has been no testimony other than referring to half
17 of a signature page, the remainder of which is
18 unexecuted. It's also subject to the Motion *in Limine* 21
19 regarding noncomparable licenses. This is not a patent
20 license; it's a technology license.

21 THE COURT: Okay. And your objection is to
22 the admission of these?

23 MR. SCHUTZ: I believe they're already --

24 THE COURT: Wait. Wait. I'm talking to her.

25 MR. SCHUTZ: I'm sorry, your Honor.

1 MS. HUNSAKER: I do object to the admission of
2 any pages that there was no testimony about. There was
3 no testimony about the substance of these documents
4 because they are unexecuted. They were produced late,
5 and they were the subject of motions *in limine* and
6 objections relating to noncomparable licenses.

7 THE COURT: Okay. They've already been
8 admitted. They were admitted previously. Are you just
9 stating the objection to preserve any point, or is there
10 some new objection? Because normally once it's been
11 admitted, you don't bring up a new objection. I just
12 want to be sure I'm understanding.

13 MR. CORDELL: I'm objecting that the exhibits
14 lack foundation. They are not executed by the parties.

15 THE COURT: Okay. They're already admitted.
16 I'm not going to entertain new objections that could have
17 been made earlier. Any previous objections you made as
18 to these exhibits or one of your co-counsel made as to
19 these exhibits are in the record and my rulings on them
20 are on the record and to bring up a new set of objections
21 on things that have already been admitted is not
22 appropriate. Those kind of objections have been waived.

23 Now, if there is some other objection not as
24 to their admissibility, I'll be glad to listen to it if
25 that's what you're trying to say.

1 MS. HUNSAKER: So, your Honor, they're going
2 to elicit new information that has not come into
3 testimony before. Your Honor reserved ruling on whether
4 or not they would or could be used with the expert
5 witnesses in this case based on their lack of
6 comparability and the substance of Motion *in Limine* 21.

7 THE COURT: All right. The objection is
8 overruled. I'm not going to accept new objections that
9 could have been made when exhibits were previously
10 offered.

11 And, ladies and gentlemen, as you'll see in
12 your instructions, when you're comparing various kinds of
13 licenses, one of the issues you'll look at is are they
14 comparable. So, if there is an issue there, that's
15 something that you'll need to consider.

16 But I'm going to overrule the objection
17 because these have already been admitted, and I'm not
18 hearing another -- ma'am, I'm just not hearing another
19 objection. That issue has already been dealt with. And
20 as I say, I don't find it appropriate to bring in
21 objections that could have or should have been raised
22 before. If the whole purpose is just simply to renew
23 them to be sure there is no waiver, that's fine. But my
24 rulings stay as they were.

25 Okay. Go ahead, counsel.

1 MR. SCHUTZ: Thank you, your Honor.

2 BY MR. SCHUTZ:

3 Q. Dr. Ugone, Plaintiff's Exhibit 11 is something
4 called -- titled "Made for iPod License," right?

5 A. Yes.

6 Q. When you were doing your analysis in this case,
7 did you ask for any documents that might have the word
8 "iPod" and "license" in it from the Apple lawyers?

9 A. I did not say those words. I did ask for all the
10 licenses that -- or agreements that had been produced in
11 the course of this litigation that were made available to
12 the parties.

13 Q. Right. But in terms of trying to, you know, make
14 sure -- you wanted to do an accurate job, right?

15 A. Yes.

16 Q. And you wanted to be thorough, correct?

17 A. Yes.

18 Q. And this is a case about iPods, correct?

19 A. Yes.

20 Q. And one of the issues is whether there should be a
21 license for the iPod, right?

22 A. Let's be a little bit careful. When you say "this
23 is a case about iPods," this is a case about a license to
24 the patents-in-suit which is one feature within a
25 multifeature device called an "iPod." I will agree with

1 that.

2 Q. Do you disagree, sir, that this is a case about
3 whether the Apple iPod infringes the two patents in this
4 case?

5 A. I think I was clear in what I said. I understand
6 that the iPods are accused. All I'm trying to make sure
7 everybody understands is we're talking about one small
8 feature out of a multifeature product.

9 Q. You know, I understand. Like I say, I'm just a
10 country boy. Okay? I grew up on a farm. You know?
11 It's simple. Is this a case about iPods?

12 A. I'll say it again, that the accused products are
13 iPods and we're talking about one small feature within a
14 product that has many, many features. I feel that's the
15 best way to describe it. But the iPods are an accused
16 product. I don't disagree with you on that.

17 Q. Well, let's work with that. At least we know that
18 the iPod is accused of infringing a couple of patents,
19 right?

20 A. Yes.

21 Q. And one of the things about your job is to assume
22 it's infringed; assume the patents are valid; and decide,
23 Number 1, what kind of license and, Number 2, how much
24 money, right?

25 A. In terms of the royalty payment in the absence

1 of -- if an agreement had been reached, yes.

2 Q. Right, for the iPod and what kind of license,
3 right?

4 A. For the license to the patents-in-suit.

5 Q. Right.

6 A. The license to the patents we've been talking
7 about.

8 Q. Okay. So, would you have wanted to get from Apple
9 any documents they had in their position that had the
10 word "iPod" and "license" right next to each other in the
11 title of the document? Would that have been something
12 you would have wanted to know about?

13 A. If they were relevant to the analysis, I wouldn't
14 disagree with you. If they are not relevant to the
15 analysis, then I would not want those or would I ask for
16 those.

17 So, you asked me previously is more data
18 better than less data; and the answer I gave you was if
19 it's relevant, then more data is better. If it's not
20 relevant, then it's not helpful.

21 Q. Dr. Ugone, you wrote a report --

22 MS. HUNSAKER: Your Honor, these exhibits were
23 not admitted for all purposes. At the court's trial
24 transcript at pages 202, line 18, through page 203,
25 line 3, your Honor discussed a limited purpose

1 admissibility for these exhibits. So, if I could state
2 that objection for your Honor's consideration.

3 THE COURT: Okay. And I -- all right. You're
4 right. They were admitted for a limited purpose. I
5 stated that. I think the jury will follow that
6 instruction. The same purpose is there.

7 If your objection is that they have been used
8 or are being used for something outside of that, then go
9 ahead and state that.

10 MS. HUNSAKER: Yes, your Honor. I object that
11 they are being used for outside the purpose that they
12 were admitted for.

13 THE COURT: All right. And I think I just
14 instructed the jury that, ladies and gentlemen, you're
15 going to have to assess whether or not the licenses are
16 comparable, i.e., do they have something to do with the
17 damage in this case or are they relevant to other issues.

18 I allowed them in earlier for background. I'm
19 going to allow the cross-examination here, but they have
20 not been admitted -- and I'll say it again. They're not
21 admitted as comparable licenses because that hasn't been
22 shown.

23 Now, counsel can try to show that they are
24 comparable; but they have not been admitted as that. So,
25 they are still admitted for just the limited purpose

1 which I told you before. You'll receive an instruction
2 that those are the limitations that you have to follow.

3 All right. Go ahead, counsel.

4 MR. SCHUTZ: Thank you, your Honor.

5 MS. HUNSAKER: Thank you, your Honor.

6 BY MR. SCHUTZ:

7 Q. Dr. Ugone, you submitted an expert report in this
8 case on November 19th, 2010, correct?

9 A. Yes.

10 Q. At the time you submitted that expert report in
11 this case, you knew full well about these Made for iPod
12 licenses, correct?

13 A. I will answer the best I can, that I have
14 knowledge that there's Made for iPod license agreements
15 that are technology agreements that are not patent
16 license agreements; but I don't have knowledge of them,
17 frankly, because of what's been produced in this case.

18 Q. Dr. Ugone, three weeks -- three weeks -- before
19 you issued your expert report in this case, you testified
20 in a patent case before Judge Clark in the Eastern
21 District of Texas and talked about these Made for iPod --

22 MS. HUNSAKER: Objection, your Honor. He's
23 talking about other litigation that's subject to Motion
24 *in Limine* 15B.

25 THE COURT: All right. Let's -- I'd like to

1 see counsel up sidebar.

2 (The following proceedings were conducted at
3 sidebar with all parties represented.)

4 THE COURT: All right. Which case is it
5 you're saying --

6 MS. HUNSAKER: So, this is your Honor's
7 case --

8 MR. HEARTFIELD: Your Honor, this is the
9 *Affinity-Hyundai* case in Lufkin; and I think
10 representatives of Personal Audio were at that trial.

11 THE COURT: All right. They may have been at
12 the trial; but I don't see how that relates to 15, which
13 was to keep out litigation Apple was a party to. I think
14 Apple had a representative there because they were
15 worried about it; but that's different than Apple's
16 litigation, which was your motion *in limine*.

17 MS. HUNSAKER: So --

18 MR. HEARTFIELD: He's bringing it up in the
19 context of other litigation.

20 THE COURT: Well, you can cross-examine an
21 expert about other litigation he's testified at; but it's
22 not Apple's litigation in an effort to make Apple look
23 like they're involved. That was your motion *in limine*,
24 "Don't talk about Apple because it makes us look
25 litigious," right, in summary?

1 MS. HUNSAKER: That was the other indication,
2 yes, sir. There was a previous *Affinity* case --

3 THE COURT: But the things that you're asking
4 Ugone about is his testimony in another trial which did
5 not involve Apple, right?

6 MR. SCHUTZ: That's correct, your Honor.

7 THE COURT: Okay. I'd prefer you not mention
8 it being in my court --

9 MR. SCHUTZ: Oh, I'm sorry.

10 THE COURT: -- because that raises a whole
11 other host of issues.

12 MR. SCHUTZ: I won't bring that up anymore.

13 THE COURT: But why -- tell me why you can
14 object or why -- what's the basis for objecting to him
15 testifying about patents or licenses in another case when
16 it's not litigation that Apple was a party to?

17 MS. HUNSAKER: Because there were other
18 reasons in that case that Made for iPod was relevant.
19 They were not relevant to the reasonable royalty of the
20 patent license. Mr. Logan signed up for the Made for
21 iPod license at the same time the *Affinity* trial was
22 going on; and that's why these licenses are unsigned,
23 because we believe Mr. Logan learned about the program
24 through that trial. So, we think this evidence was
25 created for this litigation to the extent he learned

1 about it during your Honor's previous trial and then went
2 and signed up for it.

3 So, we don't think the testimony in *Affinity*
4 is in any way relevant to the reasonable royalty for a
5 patent license which is the purpose for which Mr. Schutz
6 is trying to cross-examine Dr. Ugone. *Affinity* involved
7 car chargers used by Volkswagen, and that is a legitimate
8 use of the Made for iPod program.

9 THE COURT: Okay. As I understand your cross,
10 you're trying to show that he did not consider all
11 possible information and clearly he was aware of it
12 because he had testified in another trial, correct?

13 MR. SCHUTZ: And there's more.

14 THE COURT: All right. Because we're not
15 going to get into comparability.

16 MR. SCHUTZ: There is another -- I'm in the
17 process of linking up -- and I'll just highlight it right
18 now. The *Affinity* patents in that case are actually much
19 closer than the technology he claims he relied on. They
20 cite the Logan patents. So, at least they're in the
21 same -- and so --

22 THE COURT: What does that have to do with the
23 iPod user license agreements?

24 MR. SCHUTZ: He said it's an indicator of
25 value and it's a per-unit royalty and he is sitting there

1 saying they never would have -- he testified in a
2 previous case that these iPod licenses are an indication
3 of value in that case for patents that are much closer to
4 the Logan patents than the Digeo or E-Data patents. They
5 actually cite the Logan patents. And, so, I --

6 THE COURT: Okay. And your objection, why
7 shouldn't he be -- yes. It's harsh taking on an expert
8 and surprising him, but that's kind of what people try to
9 do on cross-examination.

10 MS. HUNSAKER: So, I mean --

11 THE COURT: So, tell me what the objection is.
12 Give me your objection.

13 MS. HUNSAKER: The objection is it's
14 irrelevant. It is misleading. It is being offered for
15 an improper purpose. It's going to waste time because
16 I'm going to have a whole lot of redirect to go on this,
17 and I believe it is precisely what 402 and 403 and the
18 Federal Circuit's recent case law on noncomparability
19 admonishes the court to keep away from the jury rather
20 than having them sort through the comparability on
21 something that's not even a patent license.

22 THE COURT: Okay. Overruled.

23 Now, you'll want to keep track because if he
24 starts straying further, you may want to preserve your
25 record.

1 MS. HUNSAKER: Okay.

2 MR. HEARTFIELD: Thank you, your Honor.

3 MS. HUNSAKER: Thank you, your Honor.

4 (Sidebar conference concluded.)

5 THE COURT: Go ahead, counsel.

6 MR. SCHUTZ: Thank you, your Honor.

7 BY MR. SCHUTZ:

8 Q. I'm going to pick up where we left off, Dr. Ugone.
9 And I think we left off with you having -- actually three
10 weeks prior to doing your expert report in this case
11 having testified in a trial not involving Apple -- I'll
12 make that clear -- testified in a trial about these Made
13 for iPod licenses, correct?

14 A. I will agree with you that I was involved as an
15 expert witness in a trial where parties had available
16 these Made for iPod licenses. The trial did not involve
17 Apple. I just don't remember the timing, whether it was
18 three weeks or not; but I'll accept your representation.

19 Q. All right. Well, let me -- so, are you saying
20 you're not -- I will represent to you that your testimony
21 was on October 26th, 2010.

22 A. I'm willing to accept that. That's what I'm
23 saying.

24 Q. All right. And the case was *Affinity Labs versus*
25 *BMW of North America* and some other parties. Do you

1 remember that?

2 A. Yes.

3 Q. And in that case -- if you want to look, your
4 transcript is at Plaintiff's Exhibit 793. Right? Let me
5 know when you're there.

6 A. I am there.

7 Q. And in that case you were testifying on behalf of
8 the defendant, right?

9 A. If I'm allowed to say the name, yes.

10 Q. You were testifying on behalf of the accused
11 infringer?

12 A. Volkswagen, yes.

13 Q. Right. And, so, in that case --

14 A. I'm sorry. Volkswagen/Audi, yes.

15 Q. And, so, you were testifying opposite the patent
16 holder and for the company that had been charged with
17 infringement, right, so we can get the context?

18 A. Yes.

19 Q. And in the course of your career, when you have
20 testified for -- because at times you testified for the
21 defendants, the accused infringer; sometimes you
22 testified for the patent owner, right?

23 A. That's correct.

24 Q. And when you've testified for the patent owner,
25 you have always included in your analysis at least the

1 option of a running royalty, correct?

2 A. Yes. I know what you're referring to and I think
3 it might have been in my deposition where I said I've
4 done a lump sum but in combination with a running royalty
5 option as well because that was what the evidence
6 dictated.

7 THE COURT: Could you pull that microphone in
8 front of you?

9 THE WITNESS: I'm sorry. I'm sorry.

10 BY MR. SCHUTZ:

11 Q. But you've only done that once, right?

12 A. That's the one I recall, yes.

13 Q. Right. Then other times that you've testified for
14 the plaintiff, it's always been for a running royalty,
15 correct?

16 A. There's different products involved and different
17 facts and circumstances; but that's to the best of my
18 recollection, yes.

19 Q. So, every time -- other than that one instance
20 where you've testified to both a lump sum and a running
21 royalty, every time you've testified for the patent
22 holder it's been for a running royalty, correct?

23 A. I believe the nature of the product was different,
24 but yes.

25 Q. Now, in the *Affinity Labs* case, you are testifying

1 for the accused infringer; and in the course of that
2 case, you said lump sum would be appropriate, right?

3 A. Yes.

4 Q. But you also had testimony saying that if the jury
5 were to consider a running royalty, there are some things
6 that they should look at, right?

7 A. You're going to have to show me; but if that's
8 what I said, I said that, yes.

9 Q. Well, let's go to the transcript, page 62 -- this
10 is the transcript from the *Affinity Labs* case which is at
11 Plaintiff's Exhibit 793.

12 A. I'm on page 62.

13 Q. All right. And in that case, at line 7 on
14 page 62, the question is: "Are there other licenses that
15 you looked at that you believe are relevant that should
16 have been reviewed if the jury, in fact, believes a
17 running royalty is appropriate?"

18 I read that correct, didn't I?

19 A. Yes.

20 Q. And you answered, "Yes"?

21 A. Yes.

22 Q. And then the question is: "What are those?"

23 And you answered, "Those are some -- what
24 we've been calling 'Apple Made for iPod' licenses,"
25 right?

1 A. Yes.

2 Q. Then you go on to describe a little bit that these
3 are licensing the ability to connect an iPod into a sound
4 system, right?

5 A. Yes.

6 Q. And those licenses were per-unit basis, right?

7 A. Yes.

8 Q. So, anytime somebody manufactured a product that
9 would allow an iPod to connect into a sound system --
10 which was an issue in that case, right?

11 A. It was connecting -- actually it had to do with
12 iPods connecting into the entertainment system of an
13 automobile. So, that's what made these directly
14 relevant. These were Made for iPod licenses for
15 connectivity purposes. That case had to do with taking
16 your iPod and you plug it into your glove compartment so
17 it goes through your sound system. So, that's exactly
18 what this case was about; and that's why these were
19 relevant.

20 Q. Right. But it was relevant for two reasons --

21 THE COURT: Okay. Wait a minute, Counsel.

22 Dr. Ugone, I'm going to tell you one more
23 time. Pull the microphone over to the left so that we
24 can all hear. The acoustics in this room are a little
25 odd up here on the bench.

1 THE WITNESS: I'm sorry.

2 THE COURT: And it's not yet that I'm so old
3 that I'm deaf. I'm just -- I need to hear this.

4 THE WITNESS: All right.

5 BY MR. SCHUTZ:

6 Q. So, in that case, Dr. Ugone, the licenses were
7 relevant -- the Made for iPod licenses were relevant for
8 two reasons. One is the form, which was a running
9 royalty; and second was the amount, correct?

10 A. Just ask the question again. I'm sorry, sir. I
11 didn't get your question.

12 Q. I'll break it up -- well, same question.

13 In the *Affinity Labs* case where you testified
14 for the accused infringer, you said and testified that
15 the Apple Made for iPod licenses were relevant for two
16 reasons: One, if the jury was to consider a running
17 royalty, they could look at that for some guidance,
18 right?

19 A. Yes. So, I had testified to a lump-sum; and we
20 can get into those reasons. But if the jury decided to
21 go with a running royalty rate, I was giving some
22 guidance on that as well.

23 Q. Right.

24 Now, the patents in that case -- let's look at
25 a couple of the patents in this case. One of them is

1 Plaintiff's Exhibit 795. Are you with me there?

2 A. I see it up on the screen. Is it in the book as
3 well?

4 Q. Yes. Plaintiff's Exhibit 795, It's in the book.

5 A. Okay. I have it.

6 Q. And this is one of the *Affinity Labs* patents that
7 was at issue in that case, correct?

8 A. Yes. I remember the inventors, yes.

9 Q. And in this patent there is a reference to
10 Mr. Logan's patent in the list of prior art, right?

11 A. If you could point me to that so I could see that.

12 Q. I'm going to do that. And it's right here
13 (indicating). That's the '076 patent, right?

14 A. That's correct.

15 Q. And, so, what we have is a patent in the *Affinity*
16 *Labs* case on which you're testifying about; and that
17 patent makes reference to the Logan patent, right?

18 A. If maybe I can use my words. This is one of the
19 patents that was in dispute in that case.

20 Q. Yes.

21 A. And it was the owner of the patent that was
22 bringing suit against BMW, Volkswagen/Audi, and some
23 others.

24 Q. Right.

25 A. And, so, this was the patent in dispute; and in

1 his patent -- what you're pointing out as one of the
2 pieces of prior art includes the Logan patent. So, yes
3 to that, if that was the question.

4 Q. Here's what I'm getting at. I'm questioning --
5 this is all about questioning your argument that the
6 E-Data and the Digeo licenses are comparable both on
7 their terms and on technology. Okay? That's what this
8 is all about. I'm not trying to hide anything. Okay?

9 A. Okay.

10 Q. And you testified in another case on a patent --
11 involving a patent that actually makes reference to the
12 Logan '076 patent and, yet, in the Digeo agreement and
13 patent and in the E-Data patents, there's no link that
14 that's that direct, correct?

15 A. You may have to break down the question, but I --
16 if I may answer.

17 Q. Sure.

18 A. Okay. That case had to do with the claimed use of
19 this patent, which had to do -- my recollection --

20 THE COURT: Be careful. Claimed use of which
21 patent?

22 THE WITNESS: Oh, I'm sorry. What I'll call
23 the "White patent" -- the -- can we call it the "'228
24 patent"?

25 *

1 BY MR. SCHUTZ:

2 Q. Sure.

3 A. Okay. That case had to do with the claimed use of
4 the '228 patent which had to do with the connectivity of
5 an iPod to an entertainment system.

6 The point I was making at trial was here's an
7 iPod -- Made for iPod license agreement where you can
8 actually use Apple's technology of how to connect --
9 there's connectivity issues. There's technology.
10 There's using the logo. And the point I was making is
11 that the plaintiff expert and the plaintiff was asking
12 for an amount far in excess for what's called a "bare
13 license," just getting the right to use the teachings of
14 the patent when, in fact, you can get the actual
15 technology from Apple to do those connections and in that
16 case for 50 cents a connection and they were asking in
17 excess of that.

18 My point was if all somebody is getting is a
19 piece of paper that says you can use what's in the patent
20 but you've got to come up with all the technology, when
21 you compare that to the Made for iPod licenses where
22 Apple was licensing the technology to you, Apple was
23 licensing it in that case for 50 cents a connection. The
24 plaintiff in that case was asking for much more, and I
25 was saying that wasn't making economic sense.

1 Now, what I will admit is I was giving
2 guidance to the jury in terms of if they were going in
3 that direction for a running royalty rate, this is an
4 economic consideration. But I will admit in this case I
5 gave a lump-sum opinion to the jury in that case --

6 Q. Dr. Ugone --

7 A. -- based on some factors that have not come out
8 yet in our discussion. Maybe they will, but there are
9 other factors that led to my opinion that I'll hold off
10 on until I get the question.

11 Q. Sure.

12 Dr. Ugone, do you think that the rules as
13 between Apple and Mr. Logan should apply equally?

14 A. If you're asking about the hypothetical
15 negotiation, there's parties there. No one side can
16 dictate the outcome. You look at the economic
17 considerations and come to a decision.

18 Q. Okay. You only looked at licenses where -- and
19 two comparable ones, and we've talked about those. The
20 only comparable licenses you've testified about are where
21 Apple has been the party that's the licensee, right?

22 A. Yes. That's also what would have been happening
23 in this situation here, but I don't disagree with you.

24 Q. And you have not looked at any situations where
25 Apple would be the licensor, correct? Because when Apple

1 is the licensor, as they are with regard to the Made for
2 iPod licenses, they demand a running royalty?

3 MS. HUNSAKER: Objection, your Honor.

4 THE COURT: What's your objection?

5 MS. HUNSAKER: My objection is 403.

6 THE COURT: Overruled.

7 BY MR. SCHUTZ:

8 Q. So, when Apple is on the other side of the
9 bargaining table, they want different rules to apply,
10 right?

11 A. I -- I'm not sure if I understand your question,
12 but I don't -- I'm not sure if I agree with you. You're
13 going to have to help me out. I'm not sure what your
14 question is.

15 Q. Well, in that case we've got this bargaining
16 table. We've got Mr. Logan on one side and Apple on the
17 other, right?

18 A. Yes.

19 Q. And Mr. Logan has the patents and the technology;
20 and Apple needs it, right?

21 A. Yes.

22 Q. And in that situation you say Apple will only pay
23 a lump sum, right?

24 MS. HUNSAKER: Objection, your Honor. This is
25 beyond the scope of direct, and it's misstating the

1 witness' prior testimony.

2 THE COURT: Overruled.

3 A. Actually what I said was that all of the economic
4 evidence that I've looked at indicated that Apple has a
5 preference for a number of reasons for a lump-sum
6 payment. Mr. Logan has exhibited a willingness to accept
7 a lump-sum payment; and, so, when I look at those two, I
8 don't suddenly get a running royalty rate as the outcome
9 of the hypothetical negotiation.

10 BY MR. SCHUTZ:

11 Q. So, then I want to come back to my question as to
12 whether the rules apply to Apple equally as they apply to
13 Mr. Logan. So, when they changed spots at the bargaining
14 table and it's Apple with the technology and somebody
15 else wants to license it, Apple says, "Oh, no. We want
16 to be paid on a per-unit basis. We're not going to give
17 you this license to make products that connect for a lump
18 sum," right?

19 A. Okay. Actually you said something that was
20 actually insightful when you said "the technology." If
21 we're talking about the Made for iPod licenses, those are
22 technology licenses as opposed to just a bare patent
23 license where you get a right to use the claimed
24 teachings of the patent but you don't get any guidance,
25 you don't get any technology. So, if you're talking

1 about the Made for iPod licenses, there is actually a
2 technology transfer that's going on, in addition to the
3 use of the logo, in addition to a number of other
4 considerations.

5 Q. My real questions go to the form of the license,
6 which is per-unit versus running royalty. And in the
7 case of Made for iPod license, you agree with me that
8 those are per-unit licenses, correct?

9 A. I will agree with that, but it's a technology
10 transfer. Technology transfer.

11 Q. And, in fact -- let's take a look at another
12 document that I want to ask you about. That's
13 Plaintiff's Exhibit 745.

14 A. Just bear with me one second.

15 Okay. I've found it.

16 Q. This is the Dulcimer -- one of the Dulcimer
17 documents from Apple's files. Do you see that?

18 A. It was one of the early Dulcimer documents, yes.

19 Q. Right. And you were here when Mr. Fadell and
20 Mr. Ng testified, correct?

21 A. Yes.

22 Q. Is this a document that you had seen prior to this
23 trial at some point?

24 A. Yes.

25 Q. And do you remember when you saw this? Was it

1 when you were getting information from Apple about what
2 to look at?

3 A. Loosely speaking, I would agree with that, yes.
4 In some portion of what's called "discovery," when
5 documents are available to the parties, I think, is when
6 I probably received it, either this document or documents
7 similar to this.

8 Q. Okay. Well, do you think you got this one?

9 A. I can't say for sure. I would have to look at the
10 Bates numbers versus what's in my report, but I know I
11 have similarly-situated documents.

12 Q. Well, we only got a copy of this document three
13 weeks before trial. Does that surprise you?

14 A. I can't speak to that.

15 Q. Okay. I want to take a look at this document.
16 Let's go to this page, "Device Cost Analysis."

17 THE COURT: All right. You said "this page."
18 What's the number?

19 MR. SCHUTZ: Your Honor, it's page 15. Thank
20 you. It's page 15 to Plaintiff's Exhibit 745.

21 BY MR. SCHUTZ:

22 Q. Let me know when you're there.

23 A. Not to be confusing, but is it the one that has
24 the other Bates number of 2779? Is that also on it?

25 Q. Yes.

1 A. Okay. I'm there.

2 Q. And in this Device Cost Analysis, there is a line
3 item for licenses, right?

4 A. Yes, there is.

5 Q. Now, I'm not going to get into what may be covered
6 or not covered by those licenses. But the fact from this
7 document is that this is Apple paying out, correct?

8 A. Yes.

9 Q. Which is the same situation as we're dealing with
10 here, Apple having to pay out to somebody else, right,
11 out licensing, correct?

12 A. Yes.

13 Q. And for the Dulcimer product, which became the
14 iPod, they have listed a per-unit rate for licenses,
15 correct?

16 A. We both know that's a mischaracterization of what
17 that number is.

18 Q. Well, it's by the -- per unit.

19 A. It's not uncommon for companies, when they're
20 looking at the cost of production, to say how much is it
21 on a per-unit basis to just understand that if I sell a
22 product for a hundred dollars, if I take my labor and
23 allocate it across units, if I take my marketing and
24 allocate it across units, you can come up with a per-unit
25 amount.

1 So, I'm quite confident whether it's on this
2 or other documents you'd see -- you could probably see a
3 labor category that said 15 cents per device; but that
4 doesn't mean they paid their labor 15 cents per device.

5 Q. And, so, you think that you got this document
6 earlier than three weeks before trial?

7 A. I can't speak to when I received this document.
8 What I'm saying is I've seen other documents that have
9 line items like this, and I've seen other documents like
10 this. And I'm not disputing with you that there is a
11 license line item. I'm not disputing that at all. What
12 I'm disputing is just the one inference that the only
13 interpretation of this line item is that it's on a
14 per-unit basis; and the inference I thought you were
15 going with is that, ergo, every license agreement they
16 have must be per unit.

17 If I misinterpreted, you can tell me; but I'm
18 just saying it's not uncommon for companies to look at
19 products they produce and say, "Let's just break it down
20 so it's easy to understand on a per-unit basis."

21 Q. Setting aside any dollar amounts, Apple has
22 entered into per-unit licenses related to the iPod for
23 technology of some sort, right?

24 A. I will not disagree with that.

25 Q. Does that mean --

1 A. I would agree -- yes. I will agree with you.

2 That's economist-speak. I will agree with you.

3 Q. Economist-speak. Have you heard the one about
4 three economists stuck in a hole --

5 THE COURT: All right, counsel.

6 MR. SCHUTZ: Okay.

7 BY MR. SCHUTZ:

8 Q. Okay. Now, let's now go to -- I had a couple
9 questions about some of the slides you had here. Let's
10 talk about this one, "Methods of Accessing Music." This
11 was from your direct testimony. Do you remember that?

12 A. Yes.

13 THE COURT: And for record purposes, could you
14 mention the defendant's slide number?

15 MR. SCHUTZ: Yes, your Honor. It's getting
16 late. It's DDX 817, Defendant's Demonstrative
17 Exhibit 817.

18 BY MR. SCHUTZ:

19 Q. And these are all the different ways you could
20 access music other than the downloadable navigable
21 playlist, right?

22 A. Using your shorthand, yes.

23 Q. And, so, did you ever think about saying to
24 anybody at Apple, "Hey, look, there are all these ways
25 you can access music. Just get rid of the downloadable

1 navigable playlists, and you don't have any issues here"?

2 Did you ever suggest that to anybody at Apple?

3 A. Two-part answer: A, I didn't suggest that; but,

4 B, given the nature of work that I do, frankly there's a

5 lot of companies that at various points in time get

6 accused of using a certain technology and -- I don't want

7 to get into too many details, but companies can't just

8 start taking technology out every time there is an

9 accusation because it may end up being an incorrect

10 accusation. So, companies cannot just run around

11 changing their products every time somebody says, "You're

12 using my technology."

13 Q. I'll grant you that. That's fair. But if it's

14 worthless technology and nobody uses it and nobody cares,

15 why not take it off?

16 A. There could be a variety of reasons.

17 Q. Well, you were in the courtroom -- well, before I

18 ask that, I need to go to -- and I don't have the -- you

19 changed the slide.

20 MR. SCHUTZ: Can you guys bring up DDX 804?

21 BY MR. SCHUTZ:

22 Q. So, on Apple information here -- you talked about

23 this earlier. You had an interview with Mr. Lancaster,

24 right?

25 A. Yes.

1 Q. Prior to the start of this trial, you did not
2 interview Mr. Dave Heller, correct?

3 A. That's correct.

4 Q. And prior to the start of this trial, you did not
5 interview Mr. Tony [sic] Ng, correct?

6 A. That's correct.

7 Q. And prior to this trial, you did not -- it's Stan
8 Ng. I'm sorry. You did not interview Stan Ng?

9 A. Correct, yes.

10 Q. And prior to this trial, you did not interview
11 Tony Fadell, right?

12 A. That's correct.

13 THE COURT: All right. Counsel, we're going
14 to take a break.

15 Ladies and gentlemen, I'll ask you to be back
16 at quarter of.

17 (The jury exits the courtroom, 3:29 p.m.)

18 THE COURT: We'll be in recess until quarter
19 of.

20 (Recess, 3:30 p.m. to 3:46 p.m.)

21 (Open court, all parties present, jury
22 present.)

23 THE COURT: Go ahead, counsel.

24 MR. SCHUTZ: Thank you, your Honor.

25 *

1 BY MR. SCHUTZ:

2 Q. Dr. Ugone, is it fair to say that the fundamental
3 disagreement you have with Mr. Nawrocki is that he gives
4 too much credit for the contributions of the invention in
5 this case to the iPod?

6 A. I think that's an end result of his analysis, yes.

7 Q. I mean, if I were to sum up your real beef with
8 him, that's really it, right?

9 A. Well, as I said at the very beginning of my
10 testimony, I have two opinions in this case, the form of
11 the license agreement and the payment structure which
12 would be a not-to-exceed or a lump-sum amount, and also
13 what the aggregate amount would be. And those are --
14 actually when you cut away from everything, if you just
15 put our opinions side-by-side, that would be a
16 difference.

17 I say an amount not to exceed. He says a
18 running royalty rate. I say not to exceed 5 million; he
19 says \$84 million. That's the difference.

20 Q. You think he values the technology covered by the
21 patents too much, right?

22 A. I think he values the technology too much, and he
23 creates a licensing situation where there is a running
24 royalty rate that compensates the patent holder for
25 contributions made by Apple to the success of the

1 product.

2 Q. You don't think that the contributions of the
3 patented technology to the iPod are important, right?

4 A. I'm sorry. Ask that again.

5 Q. You do not believe that the contributions of the
6 patented technology to the iPod are important, right?

7 A. As important as Mr. Nawrocki says.

8 Q. Oh, you believe they're sort of important?

9 A. Well, there's playlists that -- there's the
10 allegation -- I have to assume infringement. I have to
11 assume that that technology is being used that is in the
12 product; so, that's the basis for why I said that.

13 That's an assumption I have to make.

14 Q. Let's review a little of the testimony of some
15 actual Apple witnesses, and this is at -- it's a
16 demonstrative exhibit, PX 1076. Let me know when you --
17 I have it on the screen. You can either follow along
18 this or look in your book.

19 A. I'll read on the screen.

20 Q. Sure. And you were here when Mr. Fadell
21 testified, right?

22 A. Yes.

23 Q. And I asked him, "And, so, having an audio player
24 that could receive and download playlists, that
25 particular feature being able to receive or download

1 those playlists, was a competitive necessity, right?"

2 And he answered, "If you mean by competitive
3 necessity would it be a successful product and people
4 would review it and look kindly on it, yes, I would say
5 that."

6 You were here for that testimony, right?

7 A. I was here for that testimony, yes.

8 Q. But prior to arriving at your opinions, you never
9 interviewed Mr. Fadell, did you?

10 A. I believe I had his deposition transcript. I
11 think there might be some confusion over the question and
12 answer that's being given here, but you can read it for
13 the jury. But I did not interview him. That's correct.

14 Q. So, you think Mr. Fadell was confused?

15 A. No. I think the question is talking about
16 playlists. I don't read that question to be my
17 understanding of what the claimed teachings of the
18 patents are. This is just asking playlists.

19 Q. It says "audio player." Am I missing something
20 here?

21 A. It says "playlists." It doesn't talk about all of
22 the other aspects that I understand are the claimed
23 teachings of the patents-in-suit.

24 Q. Well, there's even more --

25 A. I'm sorry. I wasn't --

1 Q. Okay.

2 A. But my understanding is he was asked, you know,
3 about playlists; and that's the answer he gave.

4 Q. Well, he was asked about an audio player that
5 could receive and download playlists, right?

6 A. Yes.

7 Q. And we didn't even get to the other parts of the
8 invention, which is the ability to navigate through it.
9 So, if at least this was a competitive necessity, the
10 ability to navigate through them would certainly be a
11 competitive necessity, right?

12 A. I would not necessarily agree with what you're
13 saying.

14 Q. Now, the other thing I put up there was an excerpt
15 from my questioning when I asked him, "How much did it
16 cost to develop the original iPad *[sic]*" and he said --

17 THE COURT: Is that iPad or iPod?

18 MR. SCHUTZ: I'm sorry, your Honor. iPod.

19 BY MR. SCHUTZ:

20 Q. And he said, you know, "probably around between 5
21 to 7, maybe 8 million, somewhere in that range." Do you
22 see that?

23 A. Yes. And I remember that testimony.

24 Q. And coupled with what you're saying in here today,
25 Apple, having paid 5 to 7 million, instead of taking a

1 running royalty and seeing how it worked out, would have
2 forked over another \$5 million up-front?

3 A. Yes, because if they put themselves in a running
4 royalty rate position and if they knew what they had to
5 do in order to make the product commercially successful
6 and if the product was commercially successful with a
7 running royalty rate, you could end up with the
8 overvaluing of \$84 million like we see here.

9 Q. Well, what you end up with is if it turns out to
10 be a great product, you're going to have to pay for it;
11 and if you don't want to use the technology, you can
12 always stop using it, right?

13 I mean, nobody's forcing Apple to use the
14 technology, are they?

15 A. I don't disagree with that.

16 Q. Pardon me?

17 A. I do not disagree with that.

18 Q. Okay. That "do not disagree" means you agree with
19 me, right?

20 A. I do not believe anybody is saying to Apple, "You
21 have to use this technology."

22 Q. I mean, they could take the technology off, right?

23 A. The product could change, yes.

24 Q. Right. Now let's go to the next slide.

25 And I asked Mr. Heller, who is sitting right

1 here (indicating) --

2 THE COURT: Can you identify the slide,
3 please?

4 MR. SCHUTZ: Yes, your Honor. It is
5 Plaintiff's Exhibit 1076. I'm still at 1076. This is
6 page 2.

7 BY MR. SCHUTZ:

8 Q. And I asked Mr. Heller:

9 "Question: Mr. Heller, have you ever
10 suggested to anyone at Apple that any of the features or
11 capabilities of the iPods be removed?

12 "Answer: Not to my recollection, no."

13 Then I asked him: "If Mr. Jobs were to come
14 to you and say, 'Mr. Heller' -- he might call you 'Dave,'
15 but I'll call you 'Mr. Heller' -- 'we've got to take some
16 features or capabilities off the iPod, and I need some
17 help. What should we take off,' where would you start?
18 What's the first thing you'd remove in terms of a feature
19 or a capability of the iPod?"

20 See that?

21 A. Yes.

22 Q. And then he answered: "I have a personal list of
23 what I would remove."

24 "Question: And what would you remove?"

25 And he said, "I would remove games."

1 Right?

2 A. Yes.

3 Q. And then I asked him: "Okay. And what's the
4 second thing you'd remove?"

5 "Probably contacts and calendars."

6 Now flipping to the next page in the same
7 exhibit, PX 1076, page 3.

8 "Question: Would you ever suggest removing
9 the capability to receive or download navigable
10 playlists?"

11 And he answers, "No."

12 And I said, "Would you ever -- why not?"

13 He said, "Removing a feature is very, very
14 hard on the customers."

15 Then it goes on to say, "Well, would you
16 ever -- would it ever even dawn on you to go to your boss
17 at Apple and say, 'We really don't need to have iPods be
18 able to download playlists that you can navigate
19 through'?"

20 "Answer: I don't see myself doing that."

21 "Question: Well, what about, you know,
22 something a little bit less Draconian? 'We can download
23 playlists but let's get rid of the skip buttons'?"

24 "Answer: No."

25 Now, you never interviewed Mr. Heller before

1 you wrote your report, gave your deposition, or testified
2 in this case, right?

3 A. That's correct.

4 Q. Let's now go to the next page, PX 1076, page 4.

5 This is some testimony from Mr. Stan Ng.

6 I said to him:

7 "Question: So, if Mr. Jobs came to you and
8 said, 'Mr. Ng, I want to remove some of the features on
9 here. The device is too complicated,' give me the first
10 feature you'd tell him that should be taken off, or the
11 first functionality.

12 "Answer: I'd probably say alarms.

13 "Question: Then he says, 'I want another one.
14 Give me a second one.'

15 "Answer: Maybe calendar.

16 "Question: Give me a third one.

17 "Answer: Maybe contacts.

18 "Question: Fourth one.

19 "Answer: Maybe the ability to reorganize the
20 menu.

21 "Question: Fifth one.

22 "Answer: Let's see. Probably games.

23 "Sixth one.

24 "I don't know. It's getting tougher. People
25 use their iPod for so many different things."

1 Going over to the next page: "Well, take off
2 something that's not worth anything.

3 "I'm sorry. Something not working?

4 "Question: No, not worth anything, some
5 feature that really has no value. There must be some
6 more.

7 "That's why it's hard, because they all have
8 value, right? I mean, it's hard to say what one person
9 will use every time you remove a feature, which is why we
10 never really consider that much, to remove a feature.
11 Removing a feature means that some people are going to be
12 unhappy, right? And, so, you know, that's really, really
13 a tough choice because, you know, even something like
14 alarms, you know, a small number of people use them, but
15 they'll be really unhappy when you remove it.

16 "They're all important. I mean, all features
17 are important. Let's see. What else would I remove?
18 Maybe the ability to use it as a hard drive, I guess."

19 See that?

20 A. Yes.

21 Q. And you never interviewed him before you wrote
22 your report, gave your deposition, or testified in this
23 case, correct?

24 A. I did not interview him. That's correct.

25 MR. SCHUTZ: Pass the witness.

1 Thank you, Dr. Ugone.

2 REDIRECT EXAMINATION OF KEITH UGONE

3 BY MS. HUNSAKER:

4 Q. Hi again, Dr. Ugone. Mr. Schutz asked you some
5 questions regarding the E-Data agreement. Do you
6 remember that?

7 A. Yes, I do.

8 Q. And that was Exhibit 282A. Do you recall?

9 A. I don't remember the number, but I'll accept your
10 representation.

11 Q. Okay.

12 MS. HUNSAKER: Mr. Barnes, could we bring up
13 282A, please?

14 Okay. And if we could focus in on the first
15 paragraph.

16 BY MS. HUNSAKER:

17 Q. And in particular the date that Mr. Schutz asked
18 you about. Do you recall that?

19 A. Yes.

20 Q. And Mr. Schutz took you through what he said was
21 the E-Data patent expiring in 2003. Do you recall that?

22 A. Yes.

23 Q. And the agreement in this case in the instance of
24 E-Data being July 23rd, 2004. Do you recall that?

25 A. Yes.

1 Q. So, Dr. Ugone, do you know how far back a patent
2 damages statute goes if you're looking at royalties on a
3 particular patent?

4 A. I'm not an attorney; but my understanding is that
5 there is a six-year constraint, if that's what you're
6 asking.

7 Q. Okay. And what is six years before 2004?

8 A. So, that would be, you know, 1998.

9 Q. Okay.

10 MS. HUNSAKER: Let me ask you to pull up,
11 Mr. Barnes, Plaintiff's Exhibit 745.

12 BY MS. HUNSAKER:

13 Q. You recall Mr. Schutz asked you about this
14 document, correct?

15 A. Yes.

16 Q. And he suggested something about the time of
17 production and whether or not you considered this
18 document. Do you recall that?

19 A. Yes.

20 Q. Have you seen documents in your analysis both
21 before and after your expert report that looked like
22 PX 745?

23 A. Yes.

24 Q. And in particular, Mr. Schutz pointed you to page
25 15 of Plaintiff's Exhibit 745. Do you recall that?

1 A. Yes.

2 Q. And in particular, he focused you in on a line
3 item that says "licenses." Do you remember that?

4 A. Yes.

5 Q. Okay. So, my question, Dr. Ugone, is: Is there
6 anything in this document or that line item in particular
7 that is new or different from information you previously
8 considered in this case?

9 A. No.

10 Q. So, I'm going to put on --

11 MS. HUNSAKER: If I could shift to the Elmo.

12 BY MS. HUNSAKER:

13 Q. I don't have extra copies of this exhibit to hand
14 out, but I would refer you to Defendant's Exhibit 261
15 which was a document cited in your expert report.

16 A. I'm sorry. Is it in the white notebook or the
17 black notebook?

18 Q. It's actually in -- it's in no notebook. I'm
19 going to put it on the Elmo for you.

20 A. Ah, okay.

21 Q. Okay. So, this is Defendant's Exhibit 261. And
22 does this appear to be a document that you've seen before
23 in connection with your work on this case?

24 A. Yes. I've seen many documents, and it looks very
25 familiar. It's got the Dulcimer and the P68 and the

1 authors.

2 Q. And I'm going to put up page 16 of Defendant's
3 Exhibit 261. So, this was a document you would have
4 considered from Apple's production earlier in the case,
5 perhaps as long as a year or so ago; is that right?

6 A. Yes, either this document or one similar to it.

7 Q. Okay. And does this have essentially the same
8 cost analysis as the document in Plaintiff's Exhibit 745
9 that Mr. Schutz asked you about?

10 A. I don't have the other document in front of me;
11 but the numbers and the line items look familiar, yes.

12 Q. Okay.

13 MS. HUNSAKER: Could we go back to Plaintiff's
14 Exhibit 745, page 15, Mr. Barnes?

15 BY MS. HUNSAKER:

16 Q. Now, in questioning you about the license line
17 item for the per-unit cost of the entire iPod in
18 connection with Plaintiff's Exhibit 745, do you recall
19 that Mr. Fadell was also asked about this document when
20 he testified here in front of the ladies and gentlemen of
21 the jury?

22 A. I do have a recollection of that. I may have to
23 have my memory refreshed as to what the questions were,
24 but I think he was questioned about this.

25 Q. Okay. Why don't we do that.

1 MS. HUNSAKER: Mr. Barnes, could you go to
2 page 1089 of the trial testimony? And this is the
3 testimony involving Mr. Fadell -- yes, thank you,
4 Mr. Fadell.

5 Starting at line 7 and going down to 19.

6 BY MS. HUNSAKER:

7 Q. Do you recall Mr. Fadell testifying with respect
8 to Plaintiff's Exhibit 745, page 15, "And, you know, I
9 didn't write this document and I don't know what's meant
10 here and that's what I'm trying to find out. Do you know
11 what's meant here?"

12 (Reading) Answer: Well, whether you use
13 some -- like I say, the software that came with the
14 processor, those had licensing terms that came along with
15 software so that you would have to pay a licensing fee to
16 gain access. And the reason why you paid a license fee
17 is to be able to -- because they have a set of software
18 engineers working on the software -- allow that. The
19 licensing fee pays for those software engineers to
20 continue working on it and to give us updates and future
21 fixes and bug fixes and those kinds of things.

22 Did I read that correctly, and do you recall
23 that testimony?

24 A. Yes, I do recall that testimony.

25 Q. And, so, is there anything to suggest that the

1 license line item in Plaintiff's Exhibit 745 has anything
2 to do with a patent license?

3 A. You can't tell from that line item. It just says
4 "licenses." So, it could be this what I'll call
5 "technology license."

6 Q. Okay. And, so, speaking of technology license,
7 Mr. Schutz asked you questions regarding the *Affinity*
8 case. Do you recall that?

9 A. Yes, I do.

10 Q. And you talked a little bit about this, but what
11 was the technology at issue in the *Affinity* case?

12 A. The way I describe it is literally taking your
13 iPod and connecting it into your entertainment system of
14 your car so you can listen to the music through the
15 stereos in your car. That's how I describe it.

16 Q. And was there anything at issue in *Affinity*
17 related to downloadable navigable playlists?

18 A. Not to my recollection, no.

19 Q. Was there anything in *Affinity* related to
20 playlists at all?

21 A. No.

22 Q. Now, you studied Mr. Nawrocki's expert report in
23 this case; is that right?

24 A. Yes.

25 Q. And you were here when Mr. Nawrocki testified?

1 A. Yes.

2 Q. Did Mr. Nawrocki rely in his opinions in any way
3 on the Made for iPod licenses?

4 A. No.

5 Q. Did he cite them anywhere in his expert report?

6 A. I don't recall that at all, no.

7 Q. Did he breathe a word about them in his testimony?

8 A. Not at -- no. He didn't say anything here, that I
9 recall.

10 Q. So, there's no indication from Personal Audio's
11 expert that he believed those licenses were relevant in
12 any way to a reasonable royalty in this case; is that
13 correct?

14 A. That's how I would interpret his silence on the
15 subject matter.

16 Q. So, let me ask you to turn in your binder to
17 Plaintiff's Exhibit 12. And we're not going to put this
18 up on the screen, but let me ask you to look at
19 paragraph 3 of Plaintiff's Exhibit 12. And this is on
20 the first page of the agreement.

21 A. Yes.

22 Q. Now, you mentioned something about a 50-cent
23 royalty; and I believe you testified that your opinion in
24 that case was, in fact, for a lump-sum royalty and not a
25 running royalty; is that correct?

1 A. Absolutely, yes.

2 Q. And you were using the Made for iPod to show how
3 much more you get when you purchase certain technology
4 for 50 cents in accordance with that agreement; is that
5 correct?

6 A. That was one of the things; but I was also trying
7 to show the unreasonableness of the other expert's
8 opinion, given that you could get technology for 50 cents
9 as opposed to just the right to use the teachings of a
10 patent that didn't come with any directions on how to
11 implement.

12 Q. And, in fact, the Made for iPod licenses don't
13 mention licenses to patents at all; isn't that right?

14 A. Right. That's why I keep saying "technology
15 license."

16 Q. And, so, if we look -- if I could redirect your
17 attention back to paragraph 3, with that 50 cents you
18 actually get some hardware; isn't that right?

19 Could you read into the record what it says in
20 the first two sentences under the heading "royalties"?

21 A. Under "royalties" it says, "In consideration of
22 the licenses granted in the use license, licensee agrees
23 to pay a royalty of 50 cents per 10-pin or 11-pin power
24 connector purchased for use in a power-only product.
25 Such royalty will be included in the purchase price

1 licensee pays to Apple's authorized vendor when licensee
2 purchases the 10-pin or 11-pin power connector."

3 Q. So, in that case the 50-cent royalty is paid in
4 exchange for each piece of hardware as part of that
5 purchase price; is that right?

6 A. Or at least in conjunction with it, yes.

7 Q. So, let me ask you to look at the same paragraph
8 of Plaintiff's Exhibit 13, please, Dr. Ugone. And
9 again --

10 A. I'm sorry. I missed where you were pointing me
11 to.

12 Q. In Plaintiff's Exhibit 13 I'd like you to look
13 again at paragraph 3. This is on the first page of the
14 exhibit.

15 A. Yes.

16 Q. And down under the heading "royalties," if you
17 could again read the first two sentences of that
18 paragraph of Plaintiff's Exhibit 13.

19 A. So, in Plaintiff's Exhibit 13 under "royalties,
20 Section 3, it says, "In consideration of the licenses
21 granted in the use license, licensee agrees to pay a
22 royalty of 50 cents per remote control chip purchased for
23 use in a remote control product. Such royalty will be
24 included in the purchase price licensee pays to Apple's
25 authorized vendor when licensee purchases the remote

1 control chip."

2 Q. And, so, again, the royalty in that case is paid
3 when you purchase -- or when the purchaser under the Made
4 for iPod license actually buys the remote control chip;
5 is that right?

6 A. Yes. That's my understanding.

7 Q. And neither the chip nor the 10- or 11-pin
8 adapter, for example, would be included with a bare
9 license, which is what the ladies and gentlemen of the
10 jury are supposed to decide in this case; is that right?

11 A. That's correct.

12 Q. So, one more on the Made for iPod exhibits that
13 Mr. Schutz referred to. Could you take a look at
14 Plaintiff's Exhibit 10, please?

15 A. I'm there.

16 Q. Okay. And on the first page of that exhibit,
17 paragraph 1 has a series of definitions. Do you see
18 that?

19 A. Yes, I do.

20 Q. Okay. And down towards the bottom of the
21 "definitions" section, it says, "licensed technology."
22 Do you see that?

23 A. I do.

24 Q. And this is discussing the technology -- some of
25 the technology that is included in Made for iPod

1 licenses; is that right?

2 A. That's correct.

3 Q. Okay. Could you go ahead and read that paragraph,
4 the definition of "licensed technology," in the Made for
5 iPod agreement?

6 A. Licensed technology, in quotes, "means the iPod
7 accessory protocol interface specification
8 iPod/iPhone/iPad hardware specification, and
9 iPod/iPhone/iPad accessory testing and certification
10 specification as amended by Apple from time to time, and
11 any other documentation, licensed components, devices,
12 digital keys, key sets, source code, object code, or
13 other technology provided by Apple under this iPhone/iPad
14 supplement or under the use license for use by licensee
15 in connection with licensed products that are iPhone/iPod
16 accessories."

17 Q. And there wasn't anything in that paragraph that
18 referenced patents, was there?

19 A. No. This is a technology license, which is what I
20 was trying to say before.

21 Q. So, Dr. Ugone, what form of a license did the jury
22 find for Volkswagen --

23 THE COURT: Wait, wait, wait. We're not going
24 to get into the details of other cases.

25 MS. HUNSAKER: Okay. I'll move on, your

1 Honor.

2 BY MS. HUNSAKER:

3 Q. Mr. Schutz asked you a series of questions at the
4 end about taking the accused features out. Do you
5 remember that line of questioning?

6 A. Yes, I do.

7 Q. And he took you through all of the trial testimony
8 of all of the Apple witnesses when he asked whether they
9 would take the accused feature of playlists out of the
10 product in this case. Do you recall that?

11 A. Yes, I do.

12 Q. And he walked through everything else that Apple's
13 trial witnesses would have taken out instead of the
14 accused feature. Do you recall that?

15 A. I do.

16 Q. So, are you aware of any requirement in the
17 damages analysis that a party take out the feature that's
18 accused of infringement?

19 A. If I understand your question, no.

20 Q. And, in fact, in coming to your conclusions and
21 reaching your opinions, didn't you assume that the patent
22 was infringed?

23 A. Yes, I did.

24 Q. And did the amount of royalty that you believe is
25 appropriate as a reasonable royalty in this case -- did

1 that take into account that Apple would have paid for
2 clearance to use that patented technology?

3 A. Yes.

4 Q. And if Apple had clearance to use the patented
5 technology, is there any reason in the world that they
6 would take that feature out?

7 A. No.

8 Q. Okay.

9 MS. HUNSAKER: Pass the witness.

10 THE COURT: All right. You may step down,
11 sir.

12 Who is the next witness?

13 MR. CORDELL: Your Honor, with that, Apple
14 rests.

15 THE COURT: Let me see lead counsel sidebar.
16 Chris, I don't need you.

17 (Sidebar conference conducted off the record
18 with all parties represented.)

19 THE COURT: All right. Ladies and gentlemen,
20 as you remember last time, when we got to a breaking
21 point, there was a large number of motions I had to hear.
22 That happens again now, but it's a little bit more
23 convenient for you. So, what we're going to do is go
24 ahead and break now so we can stay and take care of all
25 of those motions without you waiting around in the jury

1 room.

2 There is going to be a little more evidence
3 tomorrow. As I had told you before, the -- well, for one
4 thing, Personal Audio now gets to put on their witness on
5 invalidity. You heard about the invalidity and why the
6 patent is valid or invalid. They get to put that on.
7 So, there will be that rebuttal.

8 I anticipate that the evidence, which keeps in
9 with my original schedule, will wrap up by or maybe
10 before lunch. At that point I'm going to have probably
11 two or three hours, maybe more, of working with the
12 lawyers on the jury instructions and charge. You may
13 have gathered that I will get lots and lots of objections
14 no matter what I propose. I'll have to deal with all
15 that. And that's their job. There's nothing wrong with
16 that. That's what lawyers are supposed to do. They're
17 supposed to represent their client, and I have to listen
18 to it.

19 So, what we will do is when we're finished
20 with the evidence and get into that, we're going to go
21 ahead and break for the day. You can go home. And then
22 on Thursday morning we'll start off. We'll have the
23 instructions ready for you. I'll read you the
24 instructions, they'll have their argument, and then
25 you'll retire to deliberate.

1 So, just for planning purposes, we'll be
2 breaking tomorrow when the evidence finishes; and that
3 will be before lunch, I'm pretty sure. And then we'll
4 come back on Thursday and you'll get the charge, you'll
5 get the argument, and then you'll start to deliberate.
6 You can take as long as you want after that, but there is
7 no reason to try to hold you for two or three hours here
8 and then try to get you started late Wednesday afternoon.
9 I don't think it winds up being any savings of time at
10 all because, as I say, I think this is going to be a good
11 two or three hours of work with counsel and it actually
12 could go longer, given the complexities of the case.

13 So, even though most of the evidence is over,
14 please keep an open mind. You've still got a couple more
15 witnesses on the issue of invalidity and a little bit of
16 rebuttal on some of the other issues. And you don't have
17 my instructions yet; so, you don't even know what the
18 questions you're going to be asked to answer are yet.
19 So, keep an open mind.

20 Don't let anybody discuss the case with you.
21 If anybody does, get their name and report it to the CS0.
22 Don't do any research. And I will see you back tomorrow
23 morning at 8:30.

24 (The jury exits the courtroom, 4:16 p.m.)

25 THE COURT: Okay. Since the defendant has

1 rested, what motions do we have?

2 MR. SCHUTZ: Your Honor, Personal Audio moves
3 pursuant to Rule 50 on a number of points, the JMOL
4 motion.

5 We have prepared a written motion, and I am
6 obviously at the -- whatever the court wants to do. But
7 we've prepared a written motion. It's about 27 pages.
8 We have copies.

9 As a highlight, we're going to and, in fact,
10 do move on the anticipation defense, the obviousness
11 defense, the marking issue, the written description
12 issue; and then we have a motion relating to lump sum on
13 damages.

14 I can, you know, walk through all that orally;
15 or I can submit the written motion.

16 THE COURT: Well, let's start off with written
17 description. I don't think I heard your expert discuss
18 that at all.

19 MR. SCHUTZ: That's our recollection.

20 THE COURT: Did I miss -- I'm talking now to
21 Mr. Cordell.

22 MR. CORDELL: He did a summary of the
23 evidence, your Honor; but he did not specifically address
24 the written description --

25 THE COURT: Okay. So, given the fact that

1 you've got the burden by clear and convincing evidence,
2 do I really have much choice on that one?

3 MR. CORDELL: Well, you do. They had their
4 expert go into it; and, so, the record does have some
5 evidence with respect to the written description. I was
6 sort of curious as to why they chose to do that right at
7 the outset of Dr. Almeroth's testimony, but they did
8 bring it up.

9 We also have, I believe, some --

10 THE COURT: Okay. So, you're going to rely on
11 their expert who said "Yeah, the written description --
12 there's plenty of written description here"?

13 MR. CORDELL: Well, he just kind of walked
14 through it. He didn't quite put it in those terms.

15 We also had the legal part of written
16 description where we maintained that there was not
17 sufficient written description to support the 112 ¶6
18 constructions and --

19 THE COURT: You're talking about the --
20 wouldn't that really be an argument that I was incorrect
21 in identifying structure?

22 MR. CORDELL: And that there was not
23 sufficient description to support the structure
24 identified.

25 THE COURT: Okay. But that's a different --

1 that's a point of error that the court came up with the
2 wrong claim construction as opposed to the fact issue
3 that would normally -- could sometimes go to the jury,
4 right?

5 MR. CORDELL: I believe that's correct, your
6 Honor, with one nuance, which is that I want to make sure
7 I preserve my ability to complain about the lack of
8 written description to support the 112 ¶6 --

9 THE COURT: Okay.

10 MR. CORDELL: -- even if it's not a pure claim
11 construction issue. We filed a summary judgment motion
12 on it which the court may recall.

13 THE COURT: Okay. Summary judgment motions
14 don't preserve anything; so, let's get real here. Right
15 now I'm dealing -- and I'll say right now that, of
16 course, you have the right to complain about or posit
17 error based upon my claim construction. I mean, that
18 doesn't upset me even. That's part of what you have to
19 do, and most district judges, when they do a claim
20 construction, can probably think of other ways of doing
21 it; and the higher court is well -- in a good position to
22 make that final decision. So, that's not the problem.

23 What we're dealing with here now is the
24 improper -- the defense known as "lack of written
25 description" which is, as I understand it, clear and

1 convincing evidence on the -- burden on the defendant and
2 could be submitted to the jury.

3 MR. CORDELL: We understand that, your Honor.
4 We did not adduce specific evidence from our expert on
5 that issue.

6 THE COURT: All right. Then I'm going to
7 grant that motion for JMOL. I will note that there is
8 some evidence in the record put on by Mr. Call and by
9 Mr. Almeroth as to written description that would
10 probably have been sufficient to support a jury's failure
11 to find even had defendants put on some evidence.
12 Although, when a party has the burden and they don't put
13 on any evidence, I think almost as a matter of law they
14 lose on JMOL because it's their burden.

15 This idea in the cases that there must be
16 substantial evidence to support a jury verdict and a
17 party can say, "Well, we didn't put on any evidence at
18 all even though it was our burden but the other side
19 didn't put on any either" I think is a misinterpretation
20 and a problem with the use of the words "substantial
21 evidence" in these various opinions by courts that aren't
22 thinking through that precise issue.

23 There was not clear and convincing evidence of
24 lack of written description; so, I'll grant that JMOL.

25 Okay. The other one that comes to mind is

1 this marking issue. Tell me, Mr. Schutz, what your --
2 the highlights on that one.

3 MR. SCHUTZ: As I understand the defense, your
4 Honor, it's that there is this product called
5 "SongCatcher" that they claim should have been marked.
6 Here are the facts and why we believe we're entitled to
7 JMOL.

8 First of all, SongCatcher is not a player.
9 There's been no testimony by anyone in this case on
10 either side mapping any claim of any of the
11 patents-in-suit against SongCatcher, which we would
12 submit is required. So, that's issue Number 1.

13 THE COURT: Okay. Let me hear the response on
14 that one. I think that's correct. I don't -- while
15 there was some discussion of SongCatcher and I think
16 there was some advertising -- and I can't remember if you
17 got in the one with the little skating penguin or not,
18 but that was one of the exhibits -- when I was going
19 through all of the exhibits, I saw that one.

20 But even if you got in some advertising and
21 some stuff from the Web saying what a cool product, how
22 does that -- how would that establish that SongCatcher
23 used any of the claims of the patent?

24 MR. CORDELL: The evidence admittedly, your
25 Honor, was at a very high level. It had to do with

1 things like capturing music, talking about playlists,
2 again very, very high-level evidence. But I would argue
3 that it's consistent with some of the infringement
4 showings that Personal Audio has made in this case.

5 We had a discussion of the burdens a couple of
6 days ago with respect to the marking defense and I
7 believe there was general agreement that we need to come
8 forward with evidence that, in fact, there was a product
9 and that there were certain rights in the entity making
10 the product and then the burden would shift to the
11 patentee then to show us that, in fact, that entity
12 either didn't have the rights or it didn't make the
13 product.

14 You know, again I admit freely that we didn't
15 spend a lot of time on it and that our expert did not, in
16 fact, do an element-by-element analysis of SongCatcher up
17 against the '076 or '178 claims.

18 THE COURT: All right. What's your next
19 point? You had more than one. I think you said that was
20 Point Number 1, Mr. Schutz.

21 MR. SCHUTZ: Yes, your Honor. The next point
22 is that SongCatcher, even if it had practiced the
23 patents, was not licensed under the patents. And, of
24 course, one of the requirements for the marking defense
25 is that if you have a licensee who is practicing the

1 patent, the licensee must mark the product.

2 And the evidence in the case is that
3 SongCatcher was a Gotuit product -- and we've got
4 testimony from Mr. Pascarella that we played saying it
5 wasn't licensed. We have testimony, I believe, from
6 either Mr. Call or Mr. Logan on the same point.

7 So, first, there is no indication that it's
8 covered by any patent claims.

9 Second, even if it was, they would have to
10 prove then that there was a license in place and it was
11 failure to mark pursuant to the license. So, no license
12 is the next. I've got more, but there's...

13 THE COURT: What about implied, implied
14 license?

15 MR. SCHUTZ: I don't believe there is a shred
16 of evidence on that, your Honor. I mean, there isn't a
17 document that grants either an express or an implied
18 license; and I'd --

19 THE COURT: Well, now, the -- I mean, with all
20 the discussion about how Gotuit was tied in with some of
21 the inventors and was using -- I mean, if we get past
22 your Point 1 -- in other words, we say there is enough
23 evidence to find that SongCatcher did use the patented
24 technology, it's not as though this is one of these
25 companies in some foreign country that's secretly using

1 and nobody knew about it. I mean, Gotuit -- in fact,
2 Gotuit was involved in taking some of the other patented
3 technology. So, why wouldn't there be an implication
4 there?

5 MR. SCHUTZ: Your Honor, I don't believe the
6 evidence in the case is that Gotuit had any other -- they
7 had other patents from Mr. Logan.

8 THE COURT: Right.

9 MR. SCHUTZ: But the patents-in-suit here were
10 not under the control of Gotuit. The best they have is
11 that Gotuit was an exclusive licensing agent. There was
12 a Web site printout with that.

13 THE COURT: Yeah.

14 MR. SCHUTZ: It wasn't -- I'm sorry?

15 THE COURT: Well, if they're allowed to be the
16 licensing agent, I mean, they could license it to
17 themselves.

18 MR. SCHUTZ: Yeah, but there is no evidence
19 that they did.

20 THE COURT: Well -- and, of course, if you're
21 a licensing agent, you can't use it?

22 MR. SCHUTZ: Absolutely not. You just have
23 the ability to grant licenses to others. They've not
24 come forward. And, your Honor, this ties in, I think,
25 with -- you know, it comes back to the issue of they need

1 to map the claims against the product. That's
2 fundamental. Because if we had marked and the claims had
3 not been mapped, we'd be subject to a false marking
4 charge. So, it's either covered by the patent or it's
5 not covered by the patent. That is Step Number 1, and
6 there is no evidence from anybody in this case mapping
7 the claims of the patent as construed by the court to the
8 SongCatcher product.

9 I would also submit that even if you looked at
10 the SongCatcher product, it's not an audio player that
11 downloads or receives playlists from outside the player.
12 It's a piece of software. It's a jukebox.

13 THE COURT: And, so, let me ask Apple, then.
14 We had some pretty strong testimony, I thought; and this
15 dealt with Defendant's Exhibit 270, which you started off
16 using to show that there was a tie-in or a connection.
17 But then attached to it at page 19 is the actual
18 assignment from Bernice Logan, as trustee, of six patents
19 and/or applications, none of them tying into the
20 patents-in-suit.

21 And then we have the testimony of -- actually
22 it's the email from Jim Logan to the Gotuit investors.
23 That's Plaintiff's Exhibit 6 where he's saying -- and
24 this is dated February 9th -- "We have moved away from
25 offering SongCatcher."

1 So, where is the evidence -- other than
2 Mr. Logan was obviously somewhat involved with Gotuit
3 Media, either the CEO or the president, where is the
4 evidence of the assignment or the right of Gotuit to
5 utilize either one of these patents -- well, actually I
6 don't think it would have been the second one. It would
7 have been the '076 probably, given the dates -- but to
8 use the '076 in the production and marketing or free
9 downloads of SongCatcher?

10 MR. CORDELL: So, your Honor, the evidence
11 begins with Defendant's Exhibit 115, which the court will
12 recall is a part of the file history of the '076 patent
13 in which Mr. Call identifies Gotuit as the assignee, the
14 real party in interest and the assignee.

15 If I could have the next page, 2006.

16 So, your Honor, this, for the record, is
17 Defendant's Exhibit 115 at page 206.

18 And, so, Mr. Call, in a signed communication
19 to the Patent Office -- this was part of the appeal brief
20 in the '076 file history. He has to, under Patent Office
21 rules, identify for them the real party in interest and
22 assignee. They won't allow you to sort of hide that
23 information because they have conflicts like everybody
24 else. And, so, he does that; and he says --

25 THE COURT: All right. Give me the date of

1 this. Go to the page where he signs and dates the brief.

2 MR. CORDELL: I believe it was in 2000. Can
3 you go to the signature?

4 There we go.

5 Yes, August 2000, your Honor.

6 THE COURT: Okay. So, in August of 2000, he
7 says they are the real party in interest; and the
8 patent --

9 MR. CORDELL: The patent issued I believe in
10 March of 2001.

11 THE COURT: Right. So, he's got that and then
12 later on we have the actual assignments and so forth and
13 we have the other evidence as to their change, both
14 written and oral.

15 Let's assume that that's sufficient to raise a
16 fact issue of what was going on in 2000. I mean, the
17 law, I think, is pretty clear you don't have to -- or
18 false marking isn't a defense as to products sold before
19 the patent issues.

20 MR. CORDELL: That's right. And the window of
21 time we're talking about is actually very narrow. So, I
22 believe the testimony was -- is that Gotuit sort of
23 wrapped up its operations sometime in the middle of 2001
24 and, so, we're looking at probably a couple of months of
25 overlap between the issuance of the patent in March,

1 2001, and the cessation of sales by Gotuit.

2 So, that's the window we're talking about.

3 And, so, the state of the evidence as it sits then is we
4 have this assignment from Mr. Call, or this declaration
5 of assignment from Mr. Call. We also have the Web site
6 listing Gotuit as the exclusive licensing agent in 2001
7 with Mr. Logan as the CEO.

8 Later in the prosecution of the '178 patent,
9 the court will recall the spurious assignment that I
10 brought out with Mr. Logan where Gotuit Audio made an
11 assignment of the '178 patent which is in the same chain
12 of title to Gotuit Media.

13 There is a later assignment that places title
14 to these patents in Personal Audio, LLC; but that is yet
15 further evidence that perhaps the Gotuit entities --
16 again, it's very difficult to keep them all straight --
17 did have some rights in this set of patents.

18 THE COURT: Right. But even if later on they
19 had some rights or thought they had some rights or were
20 running around saying they had some rights, doesn't that
21 have to be tied into some -- as I understand it,
22 SongCatcher was a software -- some download of it?

23 I mean, the false marking has to involve the
24 distribution or production or downloading or sale or
25 something of that product. And the information we have

1 is the -- in addition to the testimony, the corroborated
2 evidence we have is the email from Mr. Logan dated in
3 February saying "we have" -- not "we're going to" or
4 "we're thinking about" but "we have moved away from
5 offering SongCatcher to consumers directly or through
6 other Web sites. Instead, we're developing an audio
7 product with more breadth."

8 So, you bring up some things in connection
9 with the '178; but by that time is there any evidence at
10 all of SongCatcher being on the market or distributed in
11 connection with that time period?

12 MR. CORDELL: Not in the '178, your Honor. I
13 cite that really as evidence that perhaps there was more
14 to the relationship between Gotuit and the patents than
15 we understand. But I will set that aside and focus only
16 on the time period the court is asking about because I do
17 think that is a third inquiry -- I hate to impugn my own
18 position, but I think that is yet another one.

19 And there was some testimony from the
20 witnesses -- and we can find it in the transcript --
21 where they talked about a gradual cessation of sales, and
22 I will be happy to provide that to the court if it would
23 be helpful.

24 And I do admit that we didn't do an
25 element-by-element analysis of the correspondence between

1 SongCatcher and the claims; but recall, your Honor, that
2 they couldn't give us the source code. They couldn't
3 give us a sample of the product. And that's part of our
4 *laches* prejudice that we would allege in that part of the
5 case, that because they waited so long to bring the suit,
6 things like that were gone by the time this lawsuit
7 actually ensued.

8 THE COURT: Well, shouldn't I deal with that
9 in *laches*, then?

10 MR. CORDELL: I believe so.

11 THE COURT: All right. The case law seems
12 pretty clear that the burden of proving the compliance
13 with 35 USC, Section 287 by either marking or actual
14 notice is on the plaintiff. And we see that in such
15 cases as *Sentry Protection Products versus Eagle*
16 *Manufacturing*, 400 F.3d 910, 918, Fed Circuit 2005.

17 The patentee bears the burden of proving
18 compliance by preponderance of the evidence. And that
19 was in the *Nike, Inc., versus Walmart Stores*, 138 F.3d
20 1437 at 1446, Fed Circuit 1998.

21 Initially, however, to show that there is --
22 it should even apply, you can't obviously have people
23 just running in and saying, "Oh, they didn't mark this or
24 that" without showing that maybe they produced the
25 patented article. That's on defendant; and there's a

1 couple of district court cases on that one, *Phillip M.*
2 *Adams & Associates, LLC, versus Winbond Electrics*
3 *Corporation*; and that's at 2010 WestLaw 3522097 at 2 to 5
4 out of the District of Utah on September 8th of 2010,
5 where they said (reading) if the marking statute applies,
6 plaintiff has the burden but finding that the marketing
7 statute did not apply because plaintiff had not licensed
8 the product at issue.

9 And likewise we have *Unova, Inc. versus*
10 *Hewlett-Packard*, 2006 WestLaw 5434534 at 1. This is the
11 Central District of California, February 16th, 2006.
12 "The party claiming failure to mark must show that the
13 allegedly nonmarked articles were, in fact, patented
14 articles." In other words, the defendant first has the
15 burden to show. And they were citing the case out of the
16 Eastern District of Louisiana.

17 So, we have the first problem in that there is
18 no real showing that the SongCatcher utilized or
19 incorporated or made use of the patented technology or
20 any of the particular claims. And, yes, it's true that
21 perhaps somebody could have, had there been source code
22 and so forth or -- done a better job; but I don't recall
23 a real good effort at much of a job at all even based on
24 functionality. So, we've got that problem.

25 And then there is the question of you would

1 have to either -- either Personal Audio or perhaps
2 Mr. Logan or Gotuit or somebody authorized. And here the
3 law is fairly clear that only the patentee has the
4 authority to grant a license. Such cases as *Lans versus*
5 *Digital Equipment Corporation*, 252 F.3d 1320 at 1327, Fed
6 Circuit 2001.

7 Now, there is the possibility of an implied
8 license; but that has to be more than, "Gee, they knew
9 each other." And what we do have in Defendant's
10 Exhibit 270 at page 19, an assignment of patent rights
11 which was dated October 22, 1999, showing a clear
12 assignment from Bernice Logan of the James Logan --
13 trustee of the James Logan trust, where -- to Gotuit
14 Media, Inc., the assignee, of a list of six patents and
15 applications but none of them being either the
16 application that resulted in the patents-in-suit or the
17 patents-in-suit.

18 We also have the very clear testimony of
19 Mr. Call who was attorney for the trust saying that no
20 such assignment was ever made. It's hard to prove a
21 negative, but that's pretty clear coming from the
22 attorney.

23 And then we combine that with the Plaintiff's
24 Trial Exhibit 6, the email from Jim Logan to the Gotuit
25 investors stating at the second page, "As a result, we

1 have moved away from offering SongCatcher to consumers
2 directly or through other Web sites."

3 I don't recall any evidence of a single
4 instance of a SongCatcher product being downloaded,
5 offered, produced, distributed, or anything else. Even
6 assuming -- we'll get back to the first issue. We'll
7 just assume for sake of argument that yes there is a fact
8 issue or evidence that it incorporated or utilized any of
9 the patented technology or any of the claims. But
10 there's no evidence of it ever being, as far as I could
11 tell, downloaded, offered for free, produced, put out at
12 any time after the patent was actually issued.

13 Now, this is an odd case in that there was a
14 very long time between the application date and the
15 issuance date. And, yes, there was this SongCatcher
16 thing that evidently was being offered during that
17 interim; but, I mean -- and I'll ask you to refresh my
18 memory, Mr. Cordell; but I don't remember any evidence at
19 all of that being out there after the patent issued.

20 MR. CORDELL: Your Honor, I'm struggling with
21 the transcript right now, trying to find it. Again, it
22 wasn't the most compelling piece of testimony that we've
23 heard; but I do recall there being some evidence that
24 perhaps there was a Web site where they were agreeing to
25 maintain these units for a period of time after the

1 patent issued, is my memory. But if I could, if I could
2 just get back to the court with a citation, we might be
3 able to resolve this quickly.

4 THE COURT: Okay. All right. And I'll also
5 note, for example, that Dr. Wicker didn't include
6 SongCatcher in his original report; and that's probably
7 because SongCatcher documents were produced after the
8 close of discovery.

9 But that wouldn't have stopped Dr. Wicker from
10 bringing it up. I mean, he may not have gotten all the
11 details; but it wasn't in there at all. And I had
12 earlier found that there was not active concealment.

13 So, I'm just not -- I mean, I don't think a
14 reasonable jury, based on the state of the evidence now,
15 could find that SongCatcher did, in fact --

16 (Off-the-record discussion between the court
17 and law clerk.)

18 THE COURT: You may be looking for page 402 of
19 the trial?

20 MR. CORDELL: Yes, your Honor. I was about to
21 say. Sort of halfway through 401 --

22 THE COURT: So, they continue to download the
23 metadata which would let them use the software that they
24 already had. But there doesn't seem to be any follow-up
25 on does downloading the metadata somehow result in a

1 production of -- even if we take that as granted, or take
2 that as some kind of fact, what does that show?

3 MR. CORDELL: I believe, your Honor, that
4 would then be the playlists in the parlance of --

5 THE COURT: Well, that's the problem is nobody
6 followed it up and said "What do you mean by 'metadata'?"
7 Nobody said, "Oh, metadata, are you talking about the
8 playlist? Are you talking about the playlist and songs?"

9 All the jury would be -- probably our first
10 question we'd get back from them is "What's metadata?"
11 And I'd have to say, "You'll have to rely on all of the
12 evidence that's in the file" -- or "before you," and
13 that's my -- I guess that's part of my point. I don't
14 think a reasonable jury has the evidence before it to
15 find, one, that the SongCatcher -- the kind of -- well,
16 whatever description we have of it, that SongCatcher did,
17 in fact, use the technology in the claims or the
18 invention and, more importantly, that it was then
19 produced or distributed or put out or licensed to be put
20 out -- especially not licensed -- by anybody after the
21 date of the issuance. And it seems fairly clear that
22 there was no -- if somebody was secretly doing this, it
23 wasn't under some kind of authorization or license. So,
24 I will grant that JMOL.

25 All right. Those are the two that I guess I

1 had focused on as I was making notes up here going
2 through the trial.

3 So, your others are...

4 MR. SCHUTZ: Three others --

5 THE COURT: You said you had something in
6 writing?

7 MR. SCHUTZ: Yes. We have something in
8 writing on the anticipation defense --

9 THE COURT: Well, it might help with an
10 outline, if you can give me a copy of that.

11 MR. SCHUTZ: Yes, sir.

12 Your Honor, I will hand up both copies of the
13 lengthy motion and the bullet point talking list.

14 THE COURT: I presume you're giving copies to
15 opposing counsel.

16 MR. SCHUTZ: I'm doing that right now, your
17 Honor.

18 THE COURT: (Perusing documents.)

19 All right. I'm going to reserve my ruling on
20 the anticipation.

21 I'll reserve my ruling on the obviousness.

22 All right. Am I to take it that your issues
23 are set out in this -- well, actually they're titled the
24 exact same thing.

25 MR. SCHUTZ: I'm sorry?

1 THE COURT: The two titles of what you've
2 given me -- they have the exact same title -- I mean,
3 they're exactly the same but one is long and one is
4 short. So, I will allow you the filing of the short one.
5 We will throw away the long one by the same name as
6 duplicative -- no, you don't want that. They seem to
7 have the same title. You need some way to distinguish
8 the two of them.

9 MR. CORDELL: We have no objection to that
10 decision, your Honor.

11 THE COURT: He hasn't objected to it either.

12 MR. CORDELL: Looks like we're all done.

13 MR. SCHUTZ: Yes, your Honor. I'm sorry. I
14 was working off a different -- I'm sorry. I had a
15 different cheat sheet. But they both have the same
16 title. One is long, and one is short.

17 THE COURT: Okay. All right. Well, let me
18 ask this: Does the long one just give argument as to
19 what's in the short one, or does the short one cover all
20 of the issues?

21 MR. SCHUTZ: The short one covers all of the
22 issues, your Honor, I think sufficient to preserve them
23 for appeal.

24 THE COURT: All right.

25 MR. SCHUTZ: There are more detailed arguments

1 in the long one.

2 THE COURT: Okay. Well, let me ask you this:
3 You talk about the Federal Circuit has required evidence
4 to support a lump-sum award. Do you have a case that
5 says that although almost every businessperson -- and
6 surely every economist who understands damages -- would
7 be aware of the possibility of lump sum and would be
8 aware of the possibility of running royalty and perhaps
9 aware of combinations thereof but just because no one has
10 ever used one on this brand-new technology -- which is
11 your position, it's absolutely brand-new; so, no one
12 could have ever had one on yours -- thus there can be no
13 damages? That's kind of the argument they were trying to
14 use.

15 MR. SCHUTZ: Well, the argument --

16 THE COURT: That works both ways. I mean, it
17 would seem to me that on the most cutting-edge
18 technology, which is what you're claiming you've got,
19 there would be no licenses at all because it's so new and
20 cutting-edge and thus no damages could be awarded.
21 That's not what the statute says.

22 MR. SCHUTZ: No, your Honor. It's that the
23 form of the license is -- this motion is directed to the
24 form of the license. And specifically we think that --
25 and this motion is judgment as a matter of law that the

1 form of the license is -- should be --

2 THE COURT: Well, let me flip it back on you.
3 Show me the license where this brand-new, cutting-edge
4 technology was licensed for a running royalty.

5 MR. SCHUTZ: I can't do that, your Honor.

6 THE COURT: Isn't that kind of the whole
7 argument? You can't come up with one on running royalty.
8 They can't come up with one on lump sum. The statute
9 says damages no less than a reasonable royalty. And, so,
10 what? I grant their JMOL saying "No, no evidence of
11 running royalty" and then grant you JMOL, "No" -- I mean,
12 where does that leave you? You get zero?

13 MR. SCHUTZ: Well, I don't think you can do
14 that.

15 THE COURT: Well --

16 MR. CORDELL: Not so fast. Not so fast.

17 THE COURT: He's jumping up. He wants it.

18 MR. SCHUTZ: They'd take that deal, judge; but
19 I think the statute isn't --

20 THE COURT: Isn't that -- I mean, it may be
21 something that the higher court -- this is the chance
22 they get to face it head-on. But that can't be the
23 be-all and end-all that there is just a comparable
24 license because if it's new technology, almost by
25 definition maybe it hasn't been licensed yet.

1 MR. SCHUTZ: Well, let me put -- before I do,
2 I've just been reminded and I want to make sure the
3 record is clear on this. On the two documents we gave
4 you, the short version isn't as explicit as the long
5 version on our nonobviousness argument on all claims. I
6 want to make it clear that we believe there has been a
7 failure of proof in their nonobviousness defense on all
8 the asserted claims.

9 THE COURT: Right. And I'm going to reserve
10 my ruling on nonobviousness.

11 MR. SCHUTZ: Okay.

12 THE COURT: And I'm going to reserve my ruling
13 on anticipation.

14 MR. SCHUTZ: Thank you.

15 So, let me put a fine point on the lump-sum
16 issue. What Dr. Ugone is asking for and advocating is a
17 lump sum for a freedom-to-operate license, a license that
18 extends beyond the products that have been accused in
19 this case. And, of course, we know exactly why Apple
20 wants that. They want to get that as a jury verdict and
21 then argue that there would be no second trial in this
22 case. I mean, they -- and no future royalties or
23 anything else. It's very transparent what they're trying
24 to do.

25 I've looked at the cases, the *Lucent* case, the

1 other cases. I don't think there is any support in those
2 cases for this freedom-to-operate license for a lump sum.
3 Those cases that deal with lump sum deal with
4 products-in-suit and accused products. They don't deal
5 with -- I don't believe there is any case law they can
6 point to that says the lump sum extends beyond the
7 products that are actually in issue, in dispute.

8 And, so, at a minimum, we think we're entitled
9 to JMOL that a freedom-to-operate license is not an
10 appropriate result in this case.

11 THE COURT: But we're looking at the construct
12 of a negotiation at the time of first infringement. And
13 while you can use the Book of Wisdom, which I don't think
14 either expert talked about -- and I was surprised -- to
15 show actual results and, for that matter, could use the
16 Book of Wisdom to show anticipated future results -- no
17 one brought that in. But that doesn't mean that there
18 isn't some evidence -- namely, his opinion, for what it's
19 worth to the jury, and the evidence that he cited as to
20 "Here's what the parties would have agreed on."

21 I mean, it's a -- and, of course, I have to
22 decide future anyway. And, so, maybe that would be the
23 one where there would be a lump sum and I would decide
24 future -- that raises an interesting point.

25 MR. SCHUTZ: Your Honor --

1 THE COURT: But the problem is, I think -- is
2 that you're saying that because they didn't show more in
3 the future, then their use of *Georgia-Pacific* and the
4 hypothetical negotiation at the time -- basically what
5 you're saying is he didn't use the Book of Wisdom. But
6 that's not required.

7 MR. SCHUTZ: Well, what I'm saying, your
8 Honor, is that the case law -- *Lucent* is one example.
9 When it talks about lump-sum licenses, it talks about
10 projections for the product being licensed. The only
11 projections in this case appeared in Defendant's
12 Exhibit 42; and it's only for classic 1, classic 2 -- or
13 iPods. There are no projections for any other products
14 that would be encompassed by this freedom-to-operate
15 license; and, therefore, a lump sum that extends beyond
16 the products in dispute here is not appropriate, at a
17 minimum.

18 THE COURT: Well, but aren't you really
19 attacking him for not using -- not having a high enough
20 number, which you could have dealt with by your expert
21 saying, "Okay, if you're going to go lump sum, remember
22 you've got to cover all of this; so, your lump sum ought
23 to be at least \$88 million or a hundred million" or
24 something like that?

25 MR. SCHUTZ: Well, on this particular issue

1 for lump sum, they're the proponents of that, your Honor.

2 THE COURT: Sure.

3 MR. SCHUTZ: And I think the burden is on them
4 to show that they've met the requirements to get a lump
5 sum, and I would submit that the requirements to get a
6 lump sum are first constrained or limited in that a lump
7 sum only applies to the products at issue. It does not
8 apply beyond the products that are specifically at issue.
9 So, if there is a lump sum awarded in this case, it's
10 not --

11 THE COURT: Now, what case do you have for
12 that proposition?

13 MR. SCHUTZ: Well, your Honor, there is no
14 case that is -- like I said, the burden is on them; and
15 I'm --

16 THE COURT: Okay. I don't mind you raising --
17 I mean, obviously this is something that will have to be
18 settled; so, I don't mind you raising the issue. But in
19 terms of JMOL, I would normally be going based on cases
20 that have been decided.

21 Will you agree with me that a higher court has
22 not yet set out the issue in the clarity or detail that
23 you're -- in other words, there hasn't been a case saying
24 yes, you must only limit it to the product -- the accused
25 products?

1 MR. SCHUTZ: I think that if you look at the
2 fair -- a fair reading of the Federal Circuit cases is
3 that lump sum is limited, in fact, to the accused
4 products. I don't think there is anything you can read
5 out of there that argues it extends beyond the accused
6 products to --

7 THE COURT: Well, wouldn't it be actually more
8 fair to say they really haven't hit the precise issue on
9 the head? You can fairly read it this way or fairly read
10 it that way, but -- and here, since we've got a second
11 trial coming up, we know there's more out there; but I
12 haven't seen the case where the higher court really dealt
13 with it.

14 Because I've carved out a second group of
15 products.

16 MR. SCHUTZ: Right. But they're trying to
17 stop that second -- surely if we win, they're trying to
18 stop that from happening by getting a freedom-to-operate
19 license.

20 THE COURT: Well, that's what a lump sum is.
21 They've come up with a fancy name.

22 MR. SCHUTZ: Well, but I would argue, your
23 Honor, that a lump-sum license does not
24 necessarily extend to freedom to operate. Lump-sum
25 licenses could be for very defined things. It could be a

1 lump-sum license for Apple to produce iPods under these
2 patents, and it doesn't extend beyond iPods. In other
3 words, it doesn't extend to iPhones, iPads, or anything
4 else.

5 And there has been no evidence or projections
6 for these other products that they are going to argue, if
7 they succeed on this, are swept in by this lump-sum
8 license.

9 THE COURT: And that's why they would look at
10 the other *Georgia-Pacific* factors. I mean, there's 15 of
11 them there; and you're pointing to one. They've got
12 others saying, well, we'd look at the possible -- well, I
13 don't have them all in front of me -- but other possible
14 uses, the size of the company, the chance of development.
15 I mean --

16 Okay. All right. I am going to deny JMOL on
17 lump sum, I mean, unless you're going to ask to reopen at
18 this point based on some flaw that's just been pointed
19 out.

20 MR. CORDELL: No, your Honor.

21 THE COURT: Okay. I'm going to deny the
22 motion for JMOL on lump sum. I believe that the current
23 case law does allow lump-sum-type calculations. I don't
24 believe that it requires specific evidence of future
25 projections. That's one of the factors that could be

1 used, especially by, I guess, a plaintiff to heighten the
2 amount of the lump sum or by a defendant to say everyone
3 knew this -- and I've actually had this in one patent --
4 this patent was going to be useless within a couple of
5 years because of new technology coming in; so, it was
6 just a limited amount of time. You could have evidence
7 that way, but it is not required.

8 There is some evidence of two other lump-sum
9 licenses that obviously there is going to have to be some
10 examination of how comparable they are by the jury and to
11 take into consideration the -- I guess "rigorous" would
12 be a good word -- cross-examination that was done by
13 yourself.

14 And I may at the end of this, depending on
15 what the -- because I'm sure you're likely to renew
16 these. Depending on what verdict the jury comes back
17 with, I may have to supplement this with a written order
18 because you are raising some issues that don't appear to
19 have been addressed. And, so, I may -- well, if that's
20 what the verdict is and you renew your motion, then I
21 will fill this in with written reasons setting them out
22 because the law is, I don't think, quite as clear on
23 that.

24 Okay. So, that takes care of your JMOL,
25 right?

1 MR. SCHUTZ: Yes, your Honor.

2 THE COURT: All right. Then anything else to
3 be taken up outside the presence of the jury before we
4 start, from Personal Audio's point of view?

5 MR. MORTON: Just one thing, your Honor.

6 THE COURT: Okay.

7 MR. MORTON: I just wanted to ask real briefly
8 about the bench trial.

9 THE COURT: Okay.

10 MR. MORTON: Is that likely to occur now, are
11 you thinking, on Thursday after the --

12 THE COURT: Yes.

13 MR. MORTON: Okay. And for that -- I don't
14 know if we have an agreement on this. We haven't talked
15 about it yet. But I would like to, if I could, get an
16 identification of the exhibits that will be used in the
17 bench trial.

18 THE COURT: Okay. What I have is what
19 Ms. Mullendore and Ms. Tse have prepared for me, and also
20 Ms. Frampton. I haven't seen the exhibits yet either.
21 So, if you can agree on that, it would probably make it
22 go quicker. In fact, if you can get that to me so I can
23 be looking at them in all my spare time, it would go much
24 quicker.

25 MR. MORTON: Thank you, your Honor.

1 THE COURT: Okay. Counsel?

2 MR. CORDELL: I can raise two issues.

3 THE COURT: Sure.

4 MR. CORDELL: The first is: What's the
5 court's preference on the length of time for closing?

6 THE COURT: Short.

7 MR. CORDELL: Okay. Let me beg --

8 THE COURT: How much time do you think you're
9 going to need?

10 I mean, keep in mind what's going to happen --
11 and both sides need to think about this -- is it's
12 probably going to take me about 40 minutes to read that
13 charge, maybe a little less, maybe a few minutes longer.
14 If we start butting up into lunchtime with the arguments
15 after all that, it starts getting -- the jury is ignoring
16 you. I mean, that's just the way it is. In fact, after
17 a certain period of time, we all know that it takes too
18 long. So, what do you think?

19 MR. CORDELL: If it were just me, your Honor,
20 I would say an hour.

21 MR. SCHUTZ: I don't think we need an hour,
22 judge. I think that -- I think an hour is too long given
23 the circumstances. I thought 45 minutes.

24 THE COURT: Well, what if we make it 50
25 minutes a side and that way -- I actually may be hurting

1 defendant by giving you as long as 50 minutes because at
2 least his gets broken up a little bit, but that's -- you
3 know, you're well skilled and you can figure out how much
4 of that you have to use -- or want to use.

5 What I'll probably do is take a break after I
6 give them my instructions and then let you start and then
7 I've got to figure -- 50 and 50 -- we may not break. We
8 may just let you argue it out and then send them on back.

9 MR. SCHUTZ: It's your Honor's practice that
10 the plaintiff can reserve some time for --

11 THE COURT: Oh, yes. Yes. You just need to
12 make a full opening.

13 MR. SCHUTZ: Right.

14 MR. CORDELL: Is there any time limit on how
15 much can be reserved for the final close?

16 THE COURT: Not really, as long as he makes a
17 full opening. He has to address all of the issues. He
18 can't ambush you by not addressing them and then bringing
19 it up and you haven't had a chance to rebut.

20 MR. CORDELL: I appreciate that, your Honor.

21 The other issue I wanted to raise has to do
22 with Mr. Schutz's -- and actually it's one of the -- it's
23 still on Mr. Schutz's computer. He has some quotes here
24 from Mr. Ng where he pressed several witnesses on why
25 they haven't taken a feature out, why can't you take a

1 feature out. We heard that over and over again.

2 The response to that, your Honor, is that
3 Apple didn't know about these patents until they were
4 sued in 2009. Now, that gets directly into the *laches*
5 issue; but Mr. Schutz has persisted and he pressed and he
6 pressed Dr. Ugone on that same issue. So, I believe he's
7 opened the door to that argument. He has --

8 THE COURT: Well, I mean, I think that's a
9 fair -- we haven't heard the invalidity argument, but
10 I'm -- I don't want to try to teach lawyers how to do
11 things, but I'll mention it anyway because it's pretty --
12 "obvious" is a bad word to use in patent cases.

13 You almost can guess that what we're going to
14 hear is secondary considerations of nonobviousness and
15 one of them's going to be the importance and so forth of
16 the -- I mean, there's going to be some discussion about
17 how important these features were and one of the
18 indications of how important it is -- I'm sorry to be
19 giving away all of your secrets, Mr. Schutz. But, I
20 mean, obviously he's going to be coming with, "You know
21 how important this is. They wouldn't take this one out."

22 And you come back with "Of course they're not
23 taking it out. It makes customers mad."

24 I don't see that was opening anything up.
25 That was just -- the first time he said it, I thought,

1 okay, you know what he's coming with.

2 MR. CORDELL: But there's another aspect of
3 this, your Honor. They can't suggest that we've known
4 about this for ten years and haven't taken the feature
5 out.

6 THE COURT: Well, I don't think that's the
7 suggestion. And if I hear that, then yes, it would be
8 different. I mean, I'm taking it as "You know how
9 important this feature is. They won't take it out. And
10 I kept trying to ask them; and even when I asked them,
11 they would say, 'Well, take out games. Take out alarms.
12 Take out calendars.' But they aren't taking out this
13 because this is the guts."

14 I mean, I don't want to give Mr. Schutz's
15 argument but --

16 MR. CORDELL: I think we've already heard
17 that, your Honor; but again, the persistence with which
18 he addressed it with the witnesses made it sound like
19 this was, you know, Mr. Jobs visiting several of the
20 witnesses or at least one of the witnesses asking, "What
21 should I take out?" I mean, it makes it sound like this
22 is a long, protracted kind of exercise. It's almost a
23 post-remedial measure, just kind of, objection. That was
24 the other one that was left to mind.

25 THE COURT: And, so, your objection is or your

1 wishing to open is what?

2 MR. CORDELL: Correct. My request is to be
3 relieved of the motion *in limine* with respect to not
4 mentioning the time delay because I should be able to
5 explain to the jury that Apple found out about this in
6 2009 and that's why these features haven't been
7 addressed. It's an additional argument to the one I will
8 also make which is they don't infringe. Therefore, there
9 is no reason to take them out. But I should be able to
10 tell the jury, you know, Mr. Schutz --

11 THE COURT: You want to tell the jury that the
12 reason these weren't taken out is because you didn't know
13 about it?

14 MR. CORDELL: Not quite in those words but --
15 but the point is that I don't -- I want to dispel any
16 notion that they have that we've been sitting around
17 doing nothing, that we haven't looked at it, that we
18 haven't studied it.

19 THE COURT: Mr. Schutz?

20 MR. SCHUTZ: I just want some free rein in my
21 rebuttal, judge, if he says that. I mean, we absolutely
22 do not concede that they did not know. Absolutely not.
23 The patent became public in 2001. They rushed this
24 project. They didn't do a freedom-to-operate opinion. I
25 mean, he wants to open that door in his closing, I just

1 want to be able to waltz in.

2 THE COURT: You really want to make a remark
3 like, "Well, if we had just known, we could have done
4 something about it"?

5 MR. CORDELL: No. I certainly wouldn't put it
6 that way, your Honor; however, it just -- again, it will
7 depend a little bit on what he says tomorrow, I suppose.

8 THE COURT: Okay. I think -- and this is
9 basically under 403 analysis. First of all, I'm going to
10 decide *laches* anyway.

11 But the danger of confusion of the issues of
12 getting into -- and it's almost a "be careful what you
13 pray for" kind of a thing.

14 I have not heard and did not get the
15 implication from the very first time they said that, that
16 Mr. Schutz was going for anything other than this is
17 clearly key, important parts of the technology; and that
18 backs up his damages analysis.

19 I have not heard the implication that they've
20 known about this all along and they've just been sitting
21 around not doing it and it's deliberate or willful or
22 anything like that.

23 Now, obviously if he says that in his closing
24 and you want to talk about it, then bring it up. But I
25 really think opening that door gets us into a much worse

1 can of worms than we are now.

2 MR. CORDELL: Thank you, your Honor.

3 And then one just little last point -- and I
4 promised you that that last one was my last point. With
5 the court's ruling on the SongCatcher product, do we have
6 any need for Mr. Call to testify during the rebuttal
7 case?

8 THE COURT: I don't know.

9 MR. SCHUTZ: I think not now because that's
10 what we were going to bring him to testify about.

11 THE COURT: SongCatcher?

12 MR. SCHUTZ: About the title issue. I mean,
13 it was going to be pretty brief. It was he made a
14 mistake in the -- so, the rebuttal case just got shorter
15 by a little bit.

16 MR. CORDELL: Thank you, your Honor.

17 THE COURT: Do you want me to pull my ruling
18 back and --

19 MR. SCHUTZ: No. No. I said we don't need it
20 now.

21 THE COURT: Okay. All right. Then all we've
22 got tomorrow then, I guess, is --

23 MR. SCHUTZ: Dr. Almeroth.

24 THE COURT: -- Dr. Almeroth. Then we're going
25 to have plenty of time to go over the jury charge and so

1 forth tomorrow.

2 Okay.

3 (Off-the-record discussion between the court
4 and courtroom deputy.)

5 THE COURT: I'm going to have the jury called
6 and tell them they can be here at 9:00 instead of 8:30
7 because we've only got the one witness. There is no
8 point in getting in real, real early, especially if we've
9 got rainstorms going on. My guess is this is going to be
10 over within two hours.

11 MR. SCHUTZ: Certainly by noon, I would think.

12 MR. HOLDREITH: I anticipate about an hour --

13 THE COURT: Well, if it's noon, they may want
14 lunch.

15 MR. SCHUTZ: Ah. We're buying lunch, aren't
16 we? We're more than happy to continue buying lunch.

17 THE COURT: Okay. Let's see what time we get
18 over. I mean, if it's close to lunch, we need to at
19 least offer it to them. I don't know how far some of
20 them are traveling.

21 (Off-the-record discussion between the court
22 and courtroom deputy.)

23 THE COURT: All right. We'll just have to
24 deal with that to see how it's going. I don't think that
25 part needs to be on the record, though. I mean, we don't

1 need to keep the court reporter here while we're talking
2 about those kind of things.

3 MR. SCHUTZ: Just one other thing, your Honor.
4 I think that the -- because I know your Honor may be
5 doing some preparation for this. I believe the equitable
6 case has been narrowed quite a bit on the inequitable
7 conduct charge. I think the disclosure is just related
8 to DAD now, failure to disclose DAD is the allegation.

9 MR. CORDELL: We had some discussion over the
10 weekend, your Honor, and what we've told the plaintiff is
11 that we're going to focus on two things in the equitable
12 case, the *laches* defense in all its glory and then for
13 inequitable conduct we're really focusing on the DAD
14 manual and the failure to disclose the DAD manual
15 properly to the Patent Office.

16 THE COURT: And evidently what they disclosed
17 was the DAD brochure instead of the DAD manual?

18 MR. CORDELL: That's right. And there was
19 this sort of stillborn effort to put the DAD manual in
20 front of the Patent Office; but the patent examiner said,
21 "We're not -- you're too late. You've got to do it under
22 the rules" and they chose not to follow the rules.

23 MR. SCHUTZ: We disagree with that and, of
24 course, that will be part of the evidence, your Honor.

25 THE COURT: Okay. All right. Then we're off

1 the record --

2 MR. CORDELL: Your Honor, Ms. Mullendore has
3 something.

4 LAW CLERK: When you say "*laches*," do you mean
5 *laches* and prosecution *laches* or just *laches laches*?

6 MR. CORDELL: I think we mean all of *laches*,
7 and prosecution *laches* is one of the parts of that.

8 LAW CLERK: Okay. Thank you.

9 THE COURT: All right. Now we are off the
10 record. You can wrap up your part of it.

11 (Proceedings adjourned, 5:17 p.m.)

12 COURT REPORTER'S CERTIFICATION

13 I HEREBY CERTIFY THAT ON THIS DATE, JULY 5,
14 2011, THE FOREGOING IS A CORRECT TRANSCRIPT FROM THE
15 RECORD OF PROCEEDINGS.

16 
17 CHRISTINA L. BICKHAM, CRR, RMR

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